AH Astra Owner's Handbook

AH ASTRA

Vehicle Identification Certificate

Owner's name

Owner's address

Town State Postcode

Vehicle Identification Number (17 character ISOVIN)

Model name

Registration number Engine number

Odometer reading

Date of purchase

Selling Retailer's Stamp and Signature

Holden Ltd, ABN 84 006 893 232 (hereinafter Holden)

Change of name, address or ownership

In the event of a Safety Recall, or for various reasons, Holden may need to contact you as the owner of this vehicle. Also, if less than three years old, this vehicle will qualify for Roadside Assistance, refer to Chapter 9.

If you have recently changed your address, or name, or purchased this vehicle second-hand, please help us to help you by taking a few minutes to fill in and mail the form on the third page of this handbook. For information about Holden's privacy policy, please visit Holden's website at www.holden.com.au.

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We thank you for choosing Holden and want to assure you of our continuing interest in your motoring pleasure and satisfaction and compliment you on your choice.

This handbook applies to all the current Astra models. Therefore, due to different models and options, you may find reference in this Handbook to some equipment not installed in your own vehicle.

Please note that all information, illustrations and specifications in this Handbook are based on the latest production information available at the time of printing. Holden reserves the right to make changes at any time without notice and without incurring any obligation.

CHANGE OF ADDRESS OR OWNERSHIP

Please fill in the form below if you have changed your name, address, bought the vehicle second-hand, or have become the new driver. Holden requires these details in order to contact the operator in the event of a safety recall and to keep the initial 3 year Roadside Assistance details up to date (refer to Chapter 9). For information about Holden's privacy policy, please visit Holden's website at *www.holden.com.au.*

Please mail to the address on the back of this page.

Please tick the appropriate box:

☐ Original Owner ☐ Subsequent Owner

Title: (Mr, Mrs, Miss, Ms.)

First name in full or initials

Surname or Name of Company/Institution/Government Department

Address

Street/box

City/Town

State

Postcode

1st contact phone no

2nd contact phone no

Email address

Vehicle registration number

Holden number (if fitted – refer to Chapter 8)

ISOVIN Number (Refer to Chapter 8)

Place in an envelope and mail to:

The Manager - Warranty Administration
Service Department
Holden Limited
Box 548D, G.P.O.
Melbourne
Victoria, 3001

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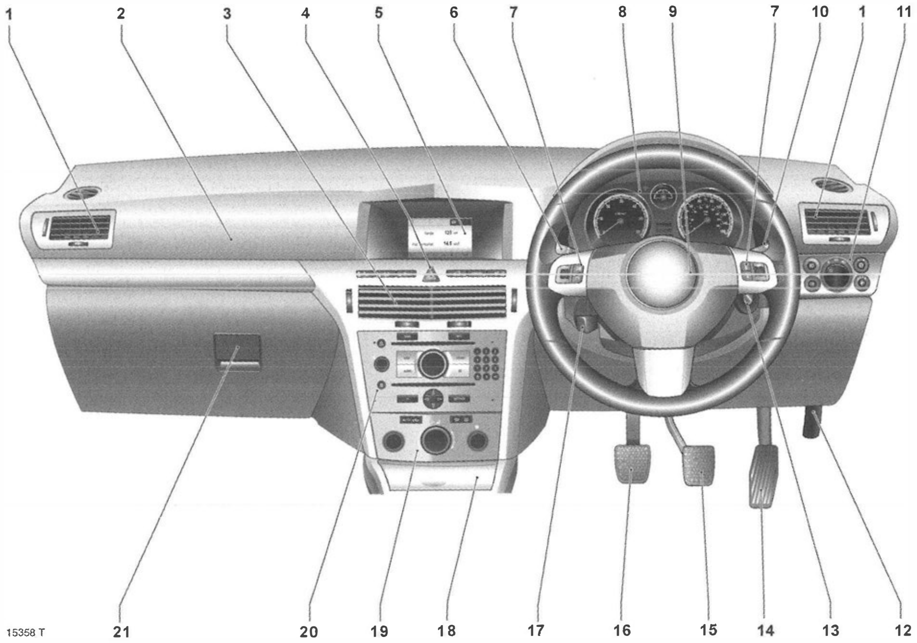
DASHBOARD LAYOUT



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TILT STEERING / HORN

Tilt / reach steering

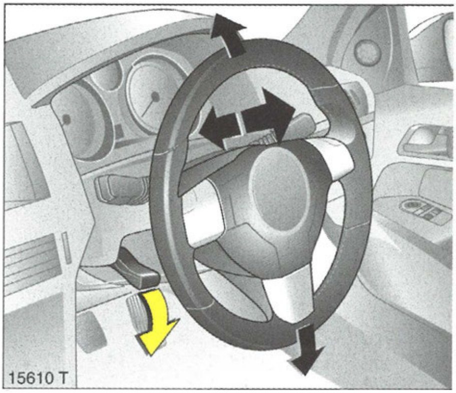
Move the lock lever downwards to adjust the height and reach of the steering wheel.

Push the lock lever upwards to set the adjustment, ensuring the lever clicks into position.

Before driving, jiggle the steering wheel to ensure it has locked securely.

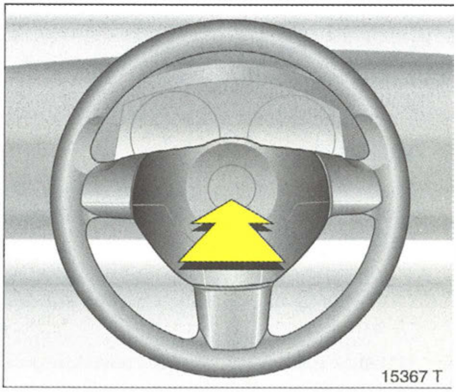
WARNING:

Do not attempt to adjust the steering wheel while driving.



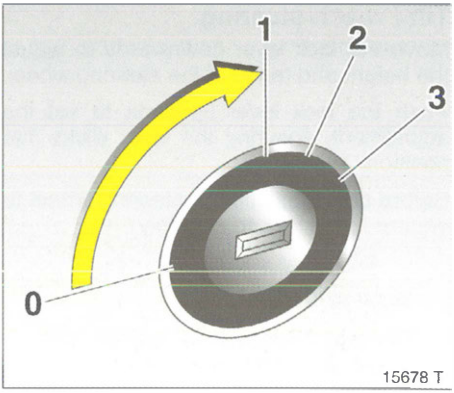
Horn

The horn is activated by pressing the 📯 symbol in the centre of the steering wheel.



IGNITION SWITCH

Ignition



0 *LOCK:* Ignition off and steering locked (when the key is removed).

1 *OFF:* Steering unlocked, ignition off.

2 *ON:* Ignition on.

3 *START:* Start the engine.

Release the steering column lock

To release the lock, move the steering wheel slightly and turn the key to position **1**.

Lock the steering column

Withdraw the key in position **0**.

WARNING:

Do not turn the engine off while the vehicle is moving. Power assisted equipment (such as brakes or steering) which are operated by the engine will be ineffective.

- **Vehicles with a manual transmission: never remove the key while the vehicle is moving, as this will lock the steering wheel.**
- **Vehicles with an automatic transmission have a lock which prevents the key from being removed while driving. Refer to Chapter 4, Driving.**

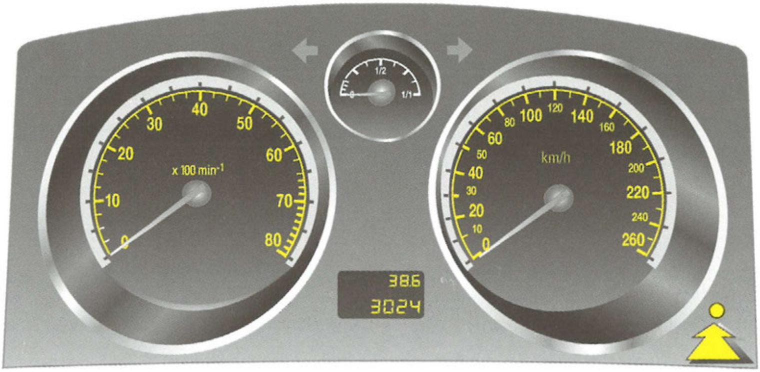
GAUGES

Speedometer

The speedometer indicates vehicle speed in kilometres per hour (km/h).

Odometer / tripmeter / service reminder

The small window in the instrument cluster is used for the odometer, tripmeter and service reminder. When the ignition is off, briefly press the reset knob to display the odometer and the tripmeter.



15389 T

The **odometer** records kilometres travelled since the vehicle was built.

The **tripmeter** records kilometres travelled on a particular trip. To reset the tripmeter to zero, press and hold the reset knob when the ignition is on.

Tachometer

The tachometer indicates engine speed in revolutions per minute (rpm).

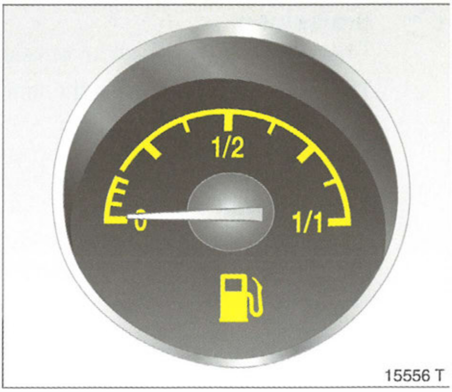
Fuel gauge

Add fuel to the fuel tank before the tank reaches empty (when the pointer moves to the far left) or when the fuel light illuminates.

If the fuel light flashes, add fuel to the tank immediately. Refer to Chapter 5, Fuel.

Note: Never let the tank become empty; this can cause damage to the catalytic converter.

Refer to Chapter 8, Specifications for fuel tank capacity.



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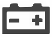
Temperature warning

The engine cooling warning light is used to indicate an over temperature condition.

WARNING / REMINDER LIGHTS



Battery

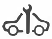
Illuminates when the ignition is switched on and extinguishes when the engine is started and engine speed is increased above idle speed.

If the light illuminates when driving, the battery is not being charged (engine cooling may also be affected). Consult a Holden Dealer as soon as possible.

Brakes, hydraulic clutch

Illuminates for a few seconds when the ignition is switched on and extinguishes after a few seconds unless the park brake is applied or the brake / clutch fluid levels are low.

If the light illuminates when driving and the park brake is not applied, stop the vehicle as soon as possible and consult a Holden Dealer.



Check engine

This vehicle is fitted with an Electronic Engine Management System. The check engine light indicates when system service is required. The light illuminates when the ignition is switched on and extinguishes shortly after the engine starts to run.

If the light illuminates when driving, the Engine Management System may require servicing. Even though the vehicle may still be driveable and not require towing, consult the nearest Holden Dealer as soon as possible. Continued driving could affect fuel consumption, engine performance or may damage the catalytic converter.

However, if the light flashes and the engine will not start, switch the ignition off for at least 2 seconds before attempting to start the engine again.

Emissions

This vehicle is fitted with an emission monitoring system.

The light illuminates when the ignition is switched on and extinguishes shortly after the engine starts to run.

If the light illuminates when driving, the emission system may require servicing. Although the vehicle may still be drivable and not require towing, consult the nearest Holden Dealer as soon as possible.

However, if the light flashes while driving, reduce speed until the light stops flashing and take the vehicle to a Holden Dealer as soon as possible.

Engine cooling

Illuminates for a few seconds when the ignition is switched on. If it illuminates when driving, a fault has occurred in the engine cooling system or the air conditioning system. The coolant level should be checked immediately. Refer to Chapter 6, Emergencies. If the coolant level is normal, consult your nearest Holden Dealer.

WARNING / REMINDER LIGHTS cont.

Oil pressure

Illuminates when the ignition is switched on and extinguishes after the engine is started. It can light up intermittently when idling if the engine is hot, but must extinguish when engine speed is increased.

If the light illuminates during driving, stop the vehicle immediately and switch off the engine. Check the engine oil level. Do not drive with this light illuminated. If the oil level is normal, consult your nearest Holden Dealer.

Low fuel

Illuminates when the fuel gauge enters the red zone (earlier when driving around bends). If the light flashes, the fuel is about to run out.

ABS: anti-lock brake system

Illuminates for a few seconds when the ignition is switched on. If it does not extinguish or if it illuminates when driving, there is a defect in the Anti-lock Brake System (ABS). The brake system remains operational but without ABS assistance. Refer to Chapter 4, Driving. Consult your Holden Dealer as soon as possible.

High beam

Illuminates when the headlight high beams are in use or flashed.

Parking lights

Illuminates when the parking lights are on.

Rear fog light

Illuminates when the rear fog light is switched on.

Front fog lights (if fitted)

Illuminates when the front fog lights are switched on.

Left and right turn signal indicators.

The respective arrow (left or right) flashes when the turn signal indicators are in use. If the light flashes rapidly, a turn signal bulb may have failed.

Cruise control (if fitted)

Illuminates when cruise control is activated. Refer to Cruise Control further in this chapter.

WARNING / REMINDER LIGHTS cont.

Airbag and seat belt pretensioners

Illuminates for a few seconds when the ignition is switched on. If it does not extinguish or if it illuminates when driving, there is a defect in the airbag / seat belt pretensioner system and they may not function correctly, especially in an accident. Consult your Holden Dealer as soon as possible.

Seat belt

The seat belt warning light flashes when the ignition is switched on unless / until the driver's seat belt is engaged. If the driver's seat belt or the passenger's seat, if it is occupied, is not engaged and the vehicle speed exceeds 25 km/h, a warning chime sounds. The warning chime continues to sound for 3 km or until the seat belt is engaged. This is to remind occupants to fasten their seat belts. The chime also sounds once if the driver's seat belt is released before the ignition is turned off.

Door open

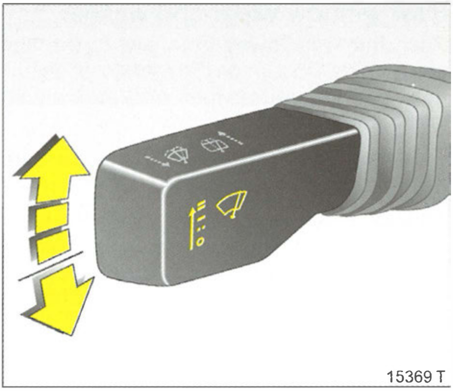
Illuminates when a door or luggage compartment is left open.

WIPERS AND WASHERS

Windscreen wipers

The lever on the left of the steering wheel column controls the windscreen wipers when the ignition is on.

Move the lever upwards to turn the windscreen wipers on or to select the next higher wiper speed.



=	Fast
—	Slow
- -	Intermittent
O	Off

Note: Never operate the wipers on dry glass, as this will damage the rubber and scratch the glass.

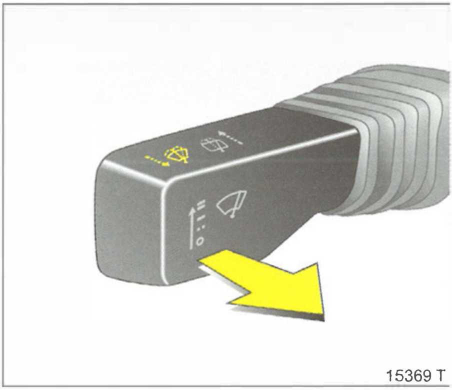
Single windscreen wiper sweep

When the wipers are turned off, push the lever downwards to activate a single sweep.

Windscreen washer

To spray washer fluid onto the windscreen pull the lever toward you.

This also causes the wipers to operate for several sweeps.



WIPERS AND WASHERS cont.

Rear window wiper and washer

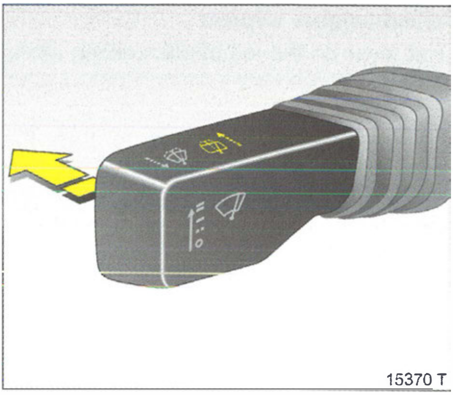
Push the lever away from you to the first stop position to turn on the rear wiper. In this position, the rear wiper operates at an intermittent speed.

To switch off the rear wiper, push the lever away from you once again.

To turn on the rear washer, push the lever further and hold it for as long as required. In this position, the rear wiper operates continuously while the rear washer is operating.

When the lever is returned to the first stop position, the rear wiper operates at an intermittent speed.

The rear window wiper comes on when the front wipers are on and the reverse gear is engaged.



EXTERIOR LIGHTS

Light switch

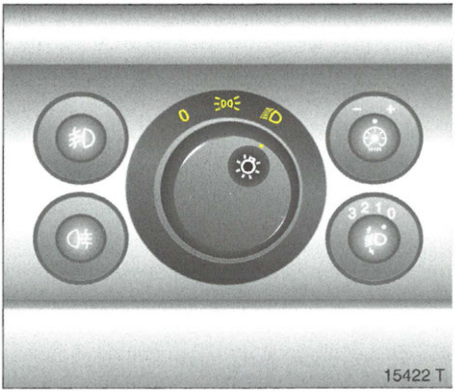
Turn the dial to select the following:

O Off

≡○○≡ Parking lights

≡D Headlights and parking lights

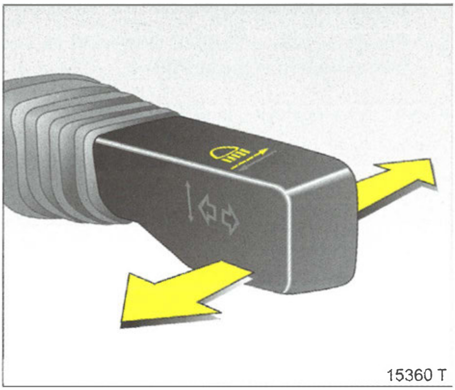
An audible warning reminds you when you are leaving the vehicle and have left the headlights or park lights on.



High / low beam

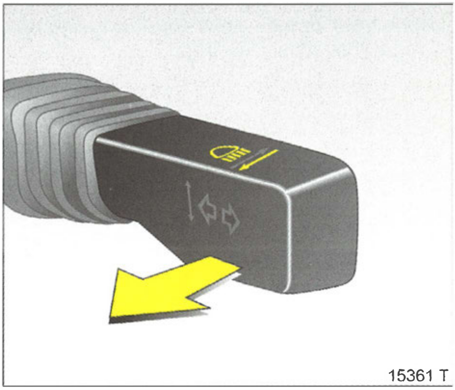
With the headlights switched on, push the lever away from you until you feel a click, then release. The headlights change from low beam to high beam.

Pull the lever back towards the steering wheel to return to low beam. When high beam is in use, the ≡D light on the instrument panel illuminates.



Headlight flash

Flash the lights on high beam for signalling purposes (even if the headlights are turned off) by pulling the lever towards you. The lights remain on high beam as long as the lever is held.



EXTERIOR LIGHTS cont.

Headlight levelling adjustment

Adjust the headlight levelling to suit the current load in the vehicle by selecting **0**, **1**, **2** or **3** when the headlights are on.

Push to extract the knob, push again to retract the knob.

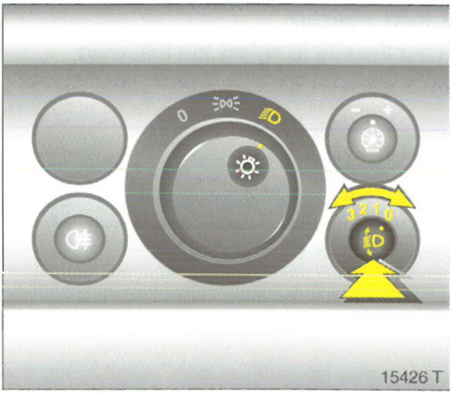
Depending on the vehicle configuration, the range between some settings of the headlamp levelling adjusting wheel may be extremely small. Correct adjustment of the headlight levelling reduces 'dazzle' for other road users.

0 = Front seats occupied

1 = All seats occupied

2 = All seats occupied and load in the luggage compartment

3 = Driver's seat occupied and load in the luggage compartment



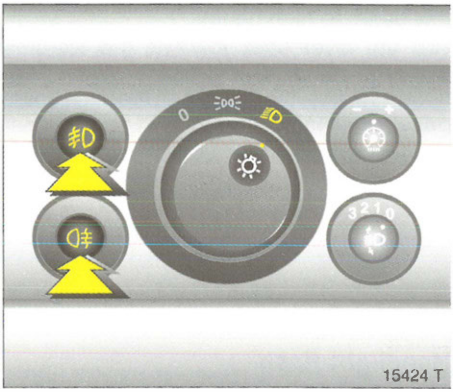
Front fog lights (if fitted)

The fog light button is on the upper left-hand side. Push the ‡D button to switch the fog lights on or off. The ‡D light in the instrument panel illuminates when the fog lights are switched on.

Rear fog light

The rear fog light button is on the lower left-hand side. Push the O‡ button to switch the fog light on or off. The O‡ light in the instrument panel illuminates when the fog light is on.

Check your State's laws regarding the use of fog lights when driving.



EXTERIOR LIGHTS cont.

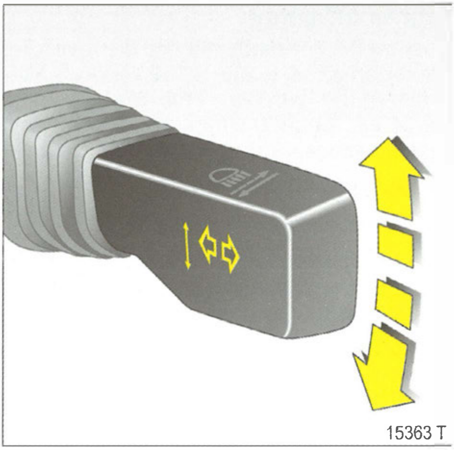
Turn signals

To signal a turn, move the lever in the direction that you intend turning the steering wheel. When the steering wheel returns to the 'straight-ahead' position, the turn signal cancels.

In some turns, such as changing lanes, the steering wheel is not turned enough to cancel the turn signal. In this case, move the lever part way (to the point where resistance is felt) and hold. The lever returns to the neutral position when released.

The turn signals flash for three cycles.

If the dashboard indicator light flashes rapidly, a turn signal bulb may have failed. Refer to Chapter 6, Emergencies.



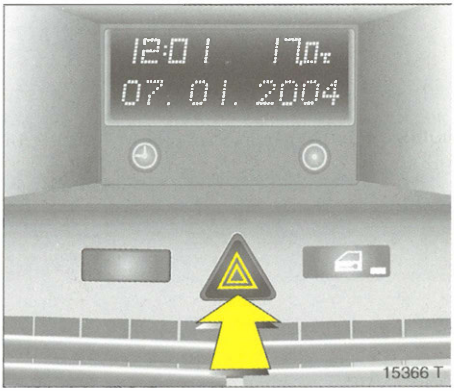
Hazard

The hazard light switch is located directly above the two centre face-level vents on the dashboard. Push the ⚠ button to switch the hazard lights on or off.

Use the hazard warning flashers to warn other drivers if your vehicle becomes a traffic hazard, day or night.

When the hazard warning flashers are on, the hazard button light flashes in unison with the exterior turn signals.

Use of the hazard warning flashers while the vehicle is moving is illegal in some states.



EXTERIOR LIGHTS cont.

Lights off delay

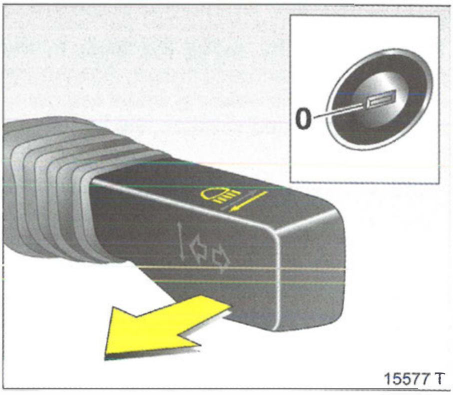
The low beam headlights and the reversing lights can be set to turn off 30 seconds after leaving the vehicle. This feature is of particular benefit when parking in unlit parking areas, driveways and garages.

To activate:

1. Remove the ignition key.
2. Open the driver's door and pull the turn signal lever towards the steering wheel, as illustrated.

Cancel this feature by inserting the key into the ignition.

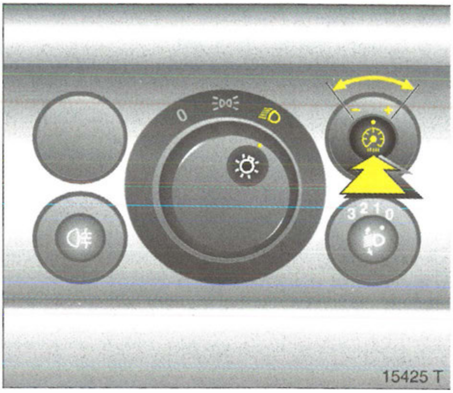
Note: If the driver's door is left open, the lights will turn off after 2 minutes.



INSTRUMENT ILLUMINATION

When the vehicle lights are on, adjust the brightness of the display by using the knob to the right of the light switch.

Push to extract the knob, push again to retract the knob.



RADIO

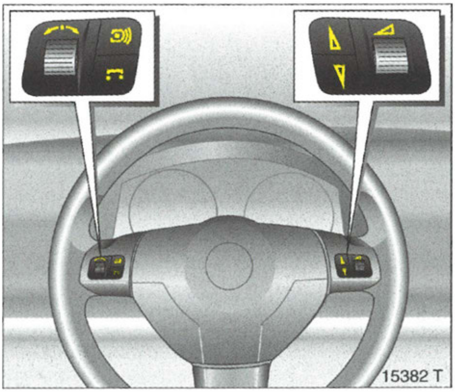
Radio

If switched on, the radio stays on until the key is removed from the ignition. Remember to remove the key when leaving the vehicle for any length of time or you may flatten the battery.

Refer to the audio handbook for additional operating instructions.

Note: Due to the nature of the electrical system used within this vehicle, the fitting of an alternative aftermarket audio system is not recommended. To do so could possibly have an adverse effect of the operation of various electrical circuits within the vehicle.

Radio controls in the steering wheel



Left-hand side:

↶•↷ Scroll up/down

◙))) Radio: Next stored station

CD: Restart CD

MP3 (if fitted): Next directory

⊓ Change between radio and CD mode

Right-hand side:

Δ Radio: Upward station search

CD/MP3: Skip track forward

∇ Radio: Downward station search

CD/MP3: Skip track backwards

◺ Adjust volume

Mobile phones and CB radios

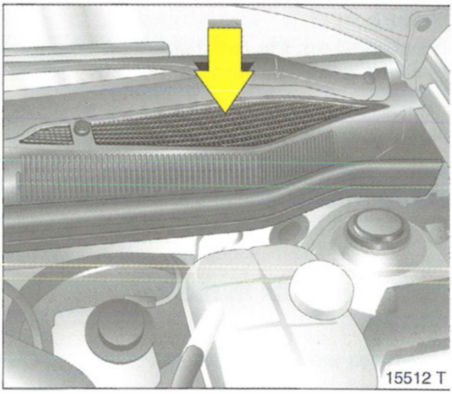
Mobile phones and CB radio equipment which use an integrated antenna may temporarily affect the vehicle's electronics when used inside the vehicle, due to the interference created when transmitting. Therefore, only mobile phones and CB equipment that use an antenna fitted to the outside of the vehicle should be used.

VENTILATION AND HEATING

Air intake

This vehicle features a flow-through ventilation system for your comfort. Under reasonable conditions, it should not be necessary to open the windows at any time.

Outside air is drawn into the vehicle through the exterior opening in front of the windscreen. Do not allow this opening to become clogged with debris, such as leaves or snow.



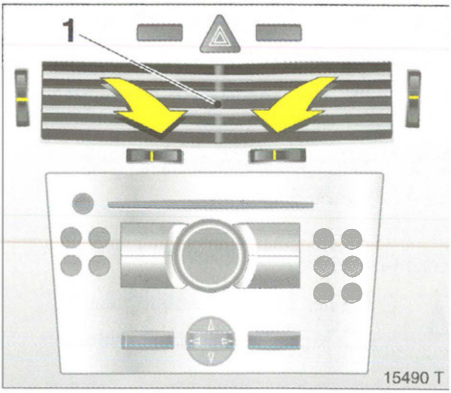
Fresh air filter

When the air recirculation system is active, the fresh air filter cleans the air entering from outside. It filters out dust, soot, pollen and spores from entering the interior of the vehicle.

The filter must be replaced at certain intervals. Refer to Chapter 12, Servicing.

The demist and foot vents are not adjustable as they direct air to the windscreen, windows or feet in the most efficient way.

However, the face-level vents in the centre and side of the dash panel (**1**) are adjustable. They can be swivelled and tilted as required. They can also be completely shut off by turning the wheel downwards as far as it will go.



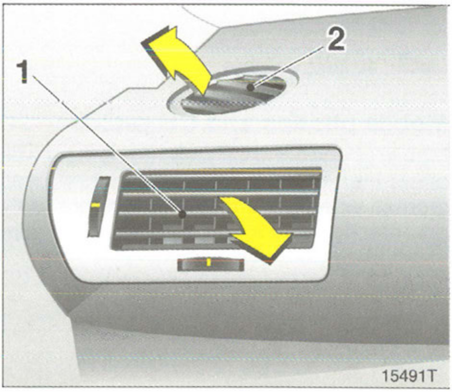
Centre air vents (1)

The air vents are located to the left and right of the instrument panel and above the radio.

All air vents are controlled automatically when in automatic mode. The air vents should therefore always be open: turn the wheels upwards.

Direct the air flow by tilting and swivelling the air vent slats.

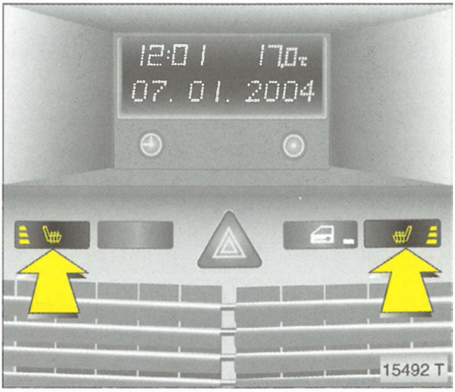
There are additional side air vents and air outlets in the foot wells.



Windscreen demister vents (2)

Switch air distribution to or . Air flows onto the windscreen and side windows.

VENTILATION AND HEATING cont.



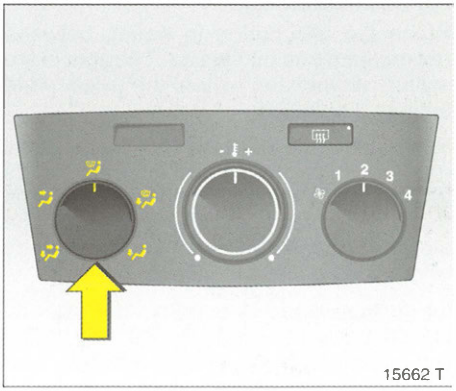
Heated front seats (if fitted)

Seat heating only operates when the ignition is switched on and the engine is running.

To switch on:
Press the switch one or more times to set the desired heat setting. The indicator lights in the switch show which of the three heating levels is active.

To switch off:
Press the switch repeatedly until the indicator lights go out.

Note: Prolonged use of seat heating is not recommended for people with sensitive skin.



Vent dial

The vent dial is a rotary switch. Set this to any position at or between the symbols to select the air flow distribution.

Open the vents to allow air flow when selecting or .

Centre vents and foot vents.

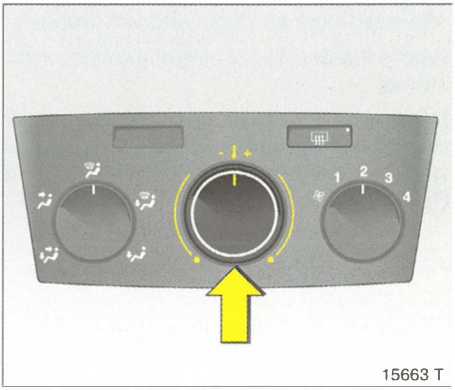
Face level vents.

Windscreen and side demist vents.

Windscreen, side demist vents and foot vents.

Foot vents.

When or is selected, a small amount of air is also supplied to the side air vents. Close the side air vents if this is not desired.



Temperature dial

The temperature dial is a rotary switch which is used to adjust the mix of cold and hot air to set the temperature as desired.

Anticlockwise = Cool.

Clockwise = Warm.

Note: Heat is not available until the engine warms up. Keep the vents closed until the engine has warmed up, then direct the vents towards the side windows (if required) to aid demisting.

VENTILATION AND HEATING cont.

Fan dial

The fan dial is a rotary switch which is used for selecting the rate of air flow.

✻ = Off

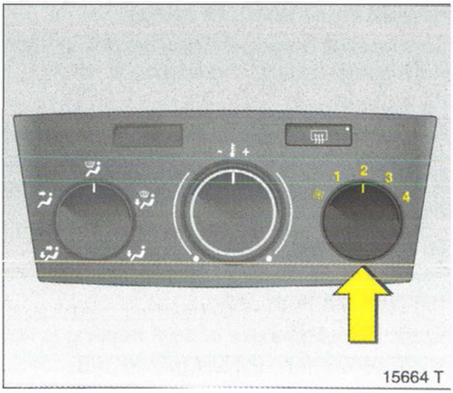
1 = Low

2 = Medium low

3 = Medium high

4 = High

Note: The rate of air flow is determined by vehicle speed, as well as by the fan.

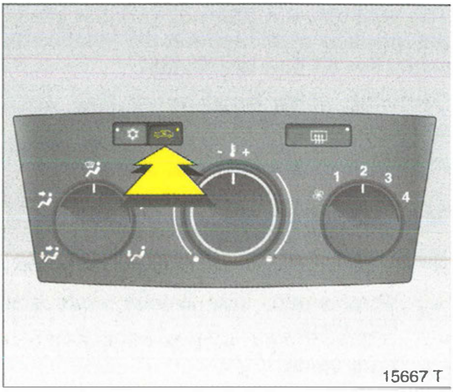


Air recirculation

Press the ⟲ button to switch between recirculated and outside air. The light in the switch illuminates when the recirculate setting is selected.

When following another vehicle on dusty roads, or to prevent exhaust fumes or odours entering your vehicle, press the ⟲ button to the recirculation position (the light in the switch illuminates). This minimises the entry of outside air.

To further inhibit the entry of dust and fumes, close the windows and turn on the fan, preferably to a high speed. This generates positive air pressure in the passenger compartment.



If occupants are smoking, do not use the recirculate position as the tobacco smoke adheres to the air ducts and will produce stale smelling air.

Where the dust is not airborne (even when driving on an unsealed road), select fresh air intake.

Note: When recirculated air is selected, the humidity increases, the windows can mist up and the quality of the passenger compartment air deteriorates. This may cause the vehicle occupants to feel drowsy. Therefore, this setting is not recommended for long periods of time.

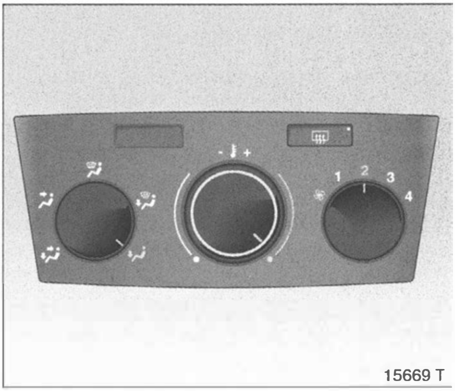
VENTILATION AND HEATING cont.

Heating

The amount of heat is dependent on the coolant temperature and is therefore not fully attained until the engine is warm.

For rapid warming of the passenger compartment:

- Switch off the air conditioner.
- Switch on air recirculation, if required.
- Set the vent dial to the desired position.
- Turn the temperature dial clockwise as far as it will go.
- Turn the fan dial to fan speed 3.



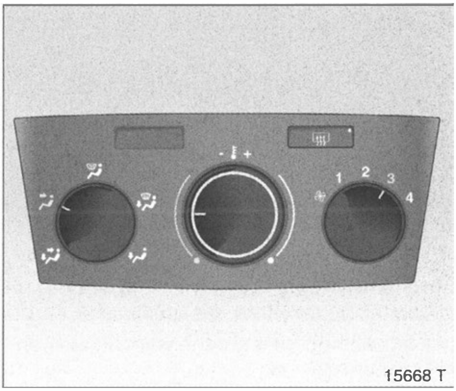
15669 T

The comfort and general well-being of the vehicle occupants are to a large extent dependent on a suitable ventilation and heating setting.

Ventilation without using air conditioning

To conserve fuel when air conditioning is not required:

- Switch off the air conditioner.
- Switch off air recirculation, if required.
- Set the vent dial to the desired position.
- Turn the temperature dial anticlockwise as far as it will go.
- Set fan speed as required.
- Open all vents.



15668 T

AIR CONDITIONING *(if fitted)*

Air conditioning not only cools the air but also removes moisture. If the temperature dial is moved away from extreme cold, the air is reheated before entering the cabin.

Switch the air conditioner on by pushing the ❄ button. A light in the switch illuminates when the air conditioner is operating. The fan automatically runs at low speed; this can be increased if required.

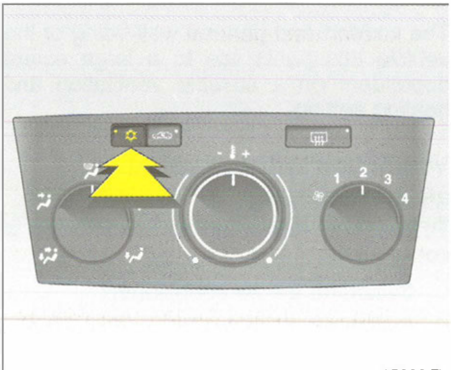
The air conditioning system operates only in the temperature ranges for which it is required. It switches off automatically when the outside temperature is below + 4°C.

To conserve fuel, switch off the air conditioning in cold weather. However, once a month (with the engine running) switch the air conditioner on for 5 to 10 minutes, even in winter. This lubricates the air conditioning system.

Open at least one vent when the air conditioning is on, so that the evaporator does not ice up due to a lack of air movement.

Normal cooling

- Pressing the ❄ button to turn the air conditioning on.
- Switch the air intake button to the fresh air position.
- Turn the temperature dial to a cold setting.
- Adjust the fan speed as required.
- Set the vents dial to face-level vents.
- Open all vents.



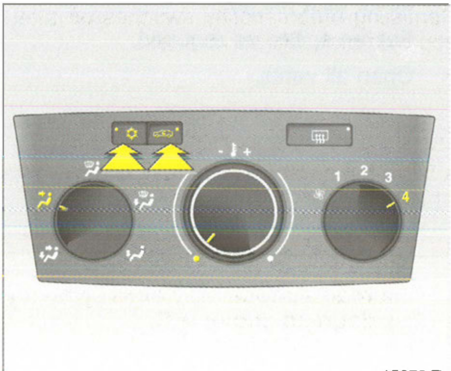
15666 T

Maximum cooling in hot weather

Use this setting when the vehicle's interior is especially hot, for example when it has been left in the sun.

Open the windows briefly so that warm air can escape quickly.

- Turn the air conditioning ❄ on.
- Switch the air recirculation system button 🚗 on.
- Turn the temperature dial to cold.
- Turn the fan to the highest speed.
- Set the vents dial to face-level vents.
- Open all vents.



15672 T

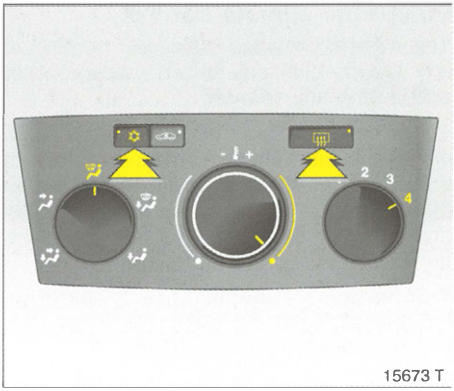
Do not leave recirculation on for too long as no outside air is drawn into the vehicle; the passenger compartment air is recirculated and may become stale.

DEMISTING

Windscreen demisting

- Press the ❄ button to turn the air conditioning on.
- Switch the air intake button to fresh.

  Note: Air intake will automatically switch from recirculation to fresh air when the vents dial is rotated to demist mode.
- Turn the temperature dial to hot.
- Turn the fan to speed **4**.
- Set the vents dial to demist ⤴ or demist and foot-level ⤵ vents.
- Open all side air vents as required.
- Close all dashboard vents.



Heated rear window and heated exterior mirrors

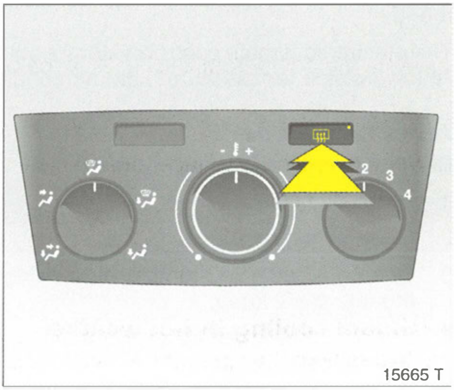
Press the ▭ button to turn demisting on or off.

Note: The ▭ light in the button illuminates when demisting is operating.

Demisting is provided for the rear window as well as the outside mirrors.

Demisting only operates when the ignition is on.

Demisting automatically switches off after approximately fifteen minutes.



Outside temperature

A fall in temperature is indicated immediately. A rise in temperature is indicated after a time delay.

WARNING:

The road surface may already be icy even though the display indicates a few degrees above 0°C.

To warn the driver that the road surface may be icy, the display changes automatically to a ❄ light when the temperature drops to 3°C or below. The ❄ light does not disappear from the display until the outside temperature reaches 5°C.

ELECTRONIC CLIMATE CONTROL SYSTEM (if fitted)

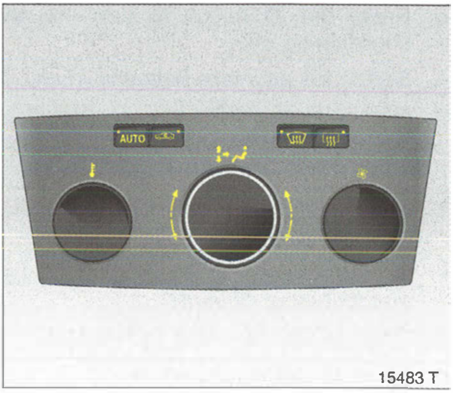
Electronic climate control

The system provides maximum comfort in any weather, at any outside temperature and during any season.

To ensure a constant and comfortable climate in the vehicle, the temperature of the inflowing air, the airflow rate and the air distribution are changed automatically according to climatic conditions outside the vehicle.

Temperature changes due to external influences such as direct sunlight, are compensated for automatically.

When the air conditioner is on, the air is cooled and dehumidified.



15483 T

When set to automatic mode, the electronic climate control system provides the optimum settings under almost all conditions. If necessary, adjust the system manually using the menu.

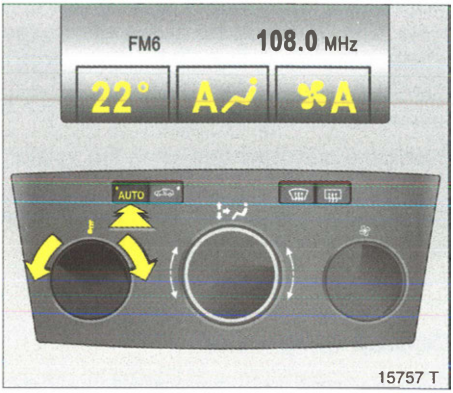
The electronic climate control system is only fully operational when the engine is running. At low outside temperatures, the air conditioner switches off automatically.

Automatic mode

Basic setting for maximum comfort:

1. Press the **AUTO** button.
2. Open all the air vents.
3. Set the preselected temperature using the left rotary knob.
4. For air conditioner activation settings, refer to Page 1-24.

If necessary, the preselected temperature can be set higher or lower.



15757 T

Preselected temperatures

Adjust the preselected temperature to values between 16°C and 28°C using the left-hand rotary knob. For comfort, only change the preselected temperature in small steps.

If a temperature below 16°C is set, **LO** appears in the display. This means the electronic climate control system constantly runs with maximum cooling. With this setting, the temperature is not regulated.

If a temperature above 28°C is set, **HI** appears in the display. This means the electronic climate control system constantly runs with maximum heating. With this setting, the temperature is not regulated. The preset temperature setting is retained when the ignition is switched off.

ELECTRONIC CLIMATE CONTROL SYSTEM (if fitted) cont.

Manual settings

Under certain circumstances (for example, iced or misted windows) the functions of the electronic climate control system can be changed manually.

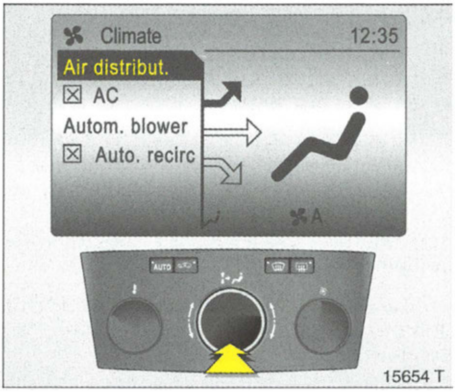
Electronic climate control settings can be changed via the centre rotary knob, the buttons and menu buttons are depicted on the display.

Press the centre rotary knob to call up the menu. The menu for manual climate control settings appears in the display.

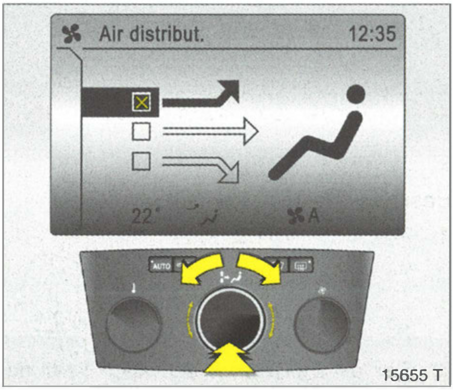
Individual menu items are marked by turning the centre rotary knob and selected by pressing it. Selecting certain menus will open a submenu.

To exit a menu, turn the centre rotary knob left or right to **Return** or **Main**, and select by pressing it.

Manual settings are stored when the ignition is switched off.



15654 T



15655 T

Window demisting

WARNING:

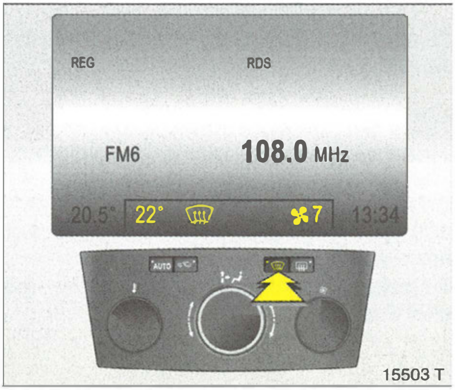
Disregarding the settings described can cause the windows to become misted up which can lead to accidents due to lack of proper vision.

Press the ♨ button. The ♨ icon appears in the display and the control indicator in the button illuminates.

The temperature, and the air distribution are adjusted automatically, the fan runs at a faster speed and windows are rapidly cleared of ice and moisture.

The airflow can be increased or decreased by turning the right rotary knob.

To return to automatic mode, press the ♨ button or select **AUTO**.



15503 T

ELECTRONIC CLIMATE CONTROL SYSTEM (if fitted) cont.

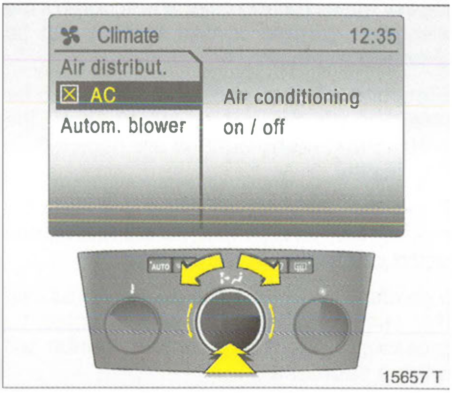
Activating and deactivating the air conditioner

The air conditioner is automatically regulated to provide the greatest possible comfort with the least amount of fuel consumption.

If cooling or dehumidification is unnecessary (in order to save fuel), switch off the air conditioner. In the menu for manual settings, mark **AC** and press to select. **Eco** appears in the display.

Inflowing air is neither cooled nor dehumidified. This restricts the level of comfort provided by the electronic climate control system. This may cause the windows to mist up, for example.

To activate cooling: In the manual settings menu, select **AC** and press to activate cooling.



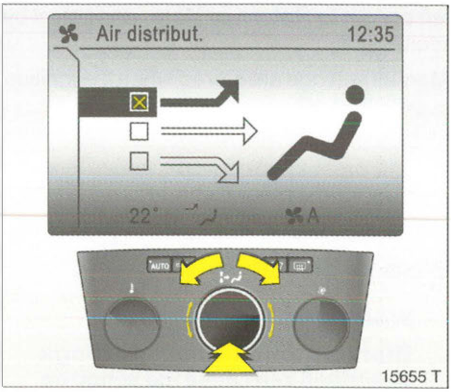
Air distribution

Press the centre rotary knob. The possible air distribution settings are appear one after another in the display.

Air distribution can also be set in the **Air distribut.** menu:

Up	Air distribution to the windscreen and front side windows.
Centre	Air distribution to the vehicle occupants through adjustable air vents.
Down	Air distribution to the front and rear foot area.

To return to automatic mode, deactivate the current setting, or press **AUTO**.

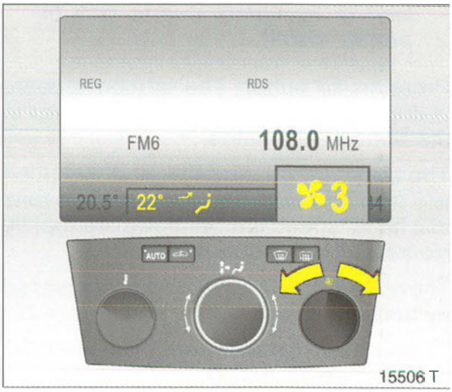


Air flow

Turn the right rotary knob to the right or left. The selected fan speed is displayed with the ✻ icon and the number in the display.

At **0** speed, both the fan and air conditioner are switched off.

To return to automatic mode, press the **AUTO** button.



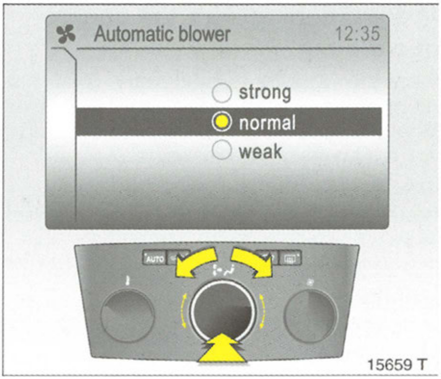
ELECTRONIC CLIMATE CONTROL SYSTEM (if fitted) cont.

Fan regulation in automatic mode

Fan regulation in automatic mode can be modified.

In the menu for manual settings, select the item for the **Autom. blower**. Select the desired regulation.

Depending on the setting, the maximum airflow, and therefore the noise level, will increase.

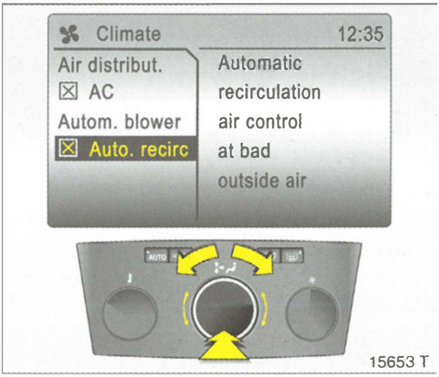


Switching automatic recirculation on or off

The automatic air recirculation system has an air quality sensor to detect harmful gases in the outside air. If harmful gases are detected the system will automatically switch to recirculation.

In the manual settings menu, select menu item **Auto. recirc** and switch it on or off by pressing it.

Switch to manual air recirculation as necessary.



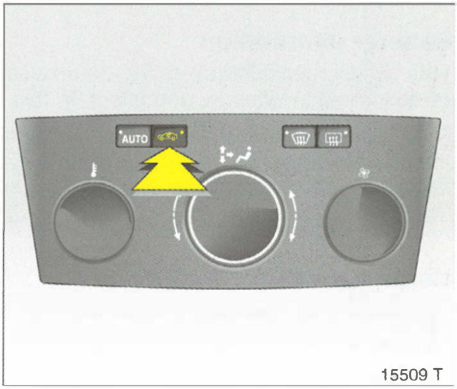
Automatic recirculation air control at bad outside air

Manual air recirculation

Press the 🚗 button to switch between recirculated and outside air. The light in the switch illuminates when the recirculate setting is selected.

The exchange of fresh air is reduced in air recirculation mode. The quality of the passenger compartment air deteriorates which may cause the vehicle occupants to feel drowsy. In operation without cooling, the air humidity increases, so the windows may mist up. Consequently, the air recirculation system should only be run for short periods of time.

To switch off the air recirculation, press the 🚗 button again.



ELECTRONIC CLIMATE CONTROL SYSTEM (if fitted) cont.

Air conditioning with the engine not running

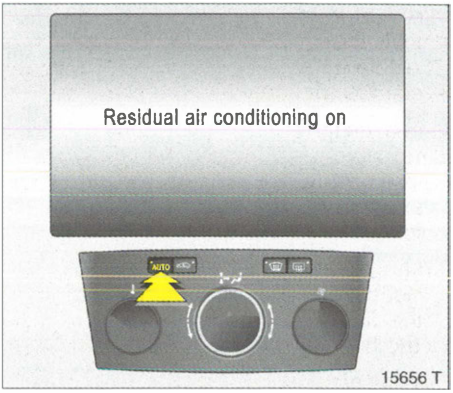
When the vehicle is stationary (and the ignition is off), any heating or cooling power still in the system can be used to condition the passenger compartment.

Press **AUTO** with the ignition off.

'Residual air conditioning on' is displayed briefly.

Air conditioning operates for a period of 10 seconds.

To deactivate air conditioning, press the **AUTO** button.

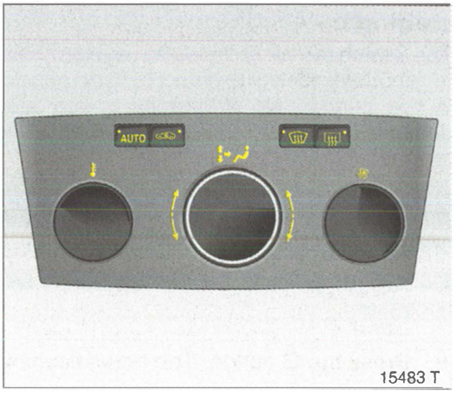


Switching off the electronic air conditioning system

Turn the right-hand switch anticlockwise as far as it will go. The display read-out extinguishes.

The air distribution setting remains at the position last selected.

To switch on the electronic climate control system, press the **AUTO** button or turn the right-hand switch clockwise.



General information

If the windscreen mists up during damp weather, set the electronic climate control system as described in Window demisting, in this chapter.

The electronic climate control system functions most efficiently when the windows are closed. If the passenger compartment has heated up considerably after a long period in direct sunlight, briefly open the windows so that the heated air can quickly escape.

Do not cover the sensor between the air vents in front of the windscreen.

Maintenance

Operate the air conditioner at least once a month for a few minutes, regardless of the weather and time of year.

If a fault occurs in the electronic climate control system, consult a Holden Dealer.

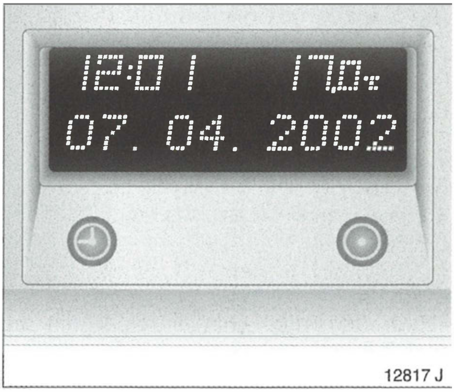
TRIPLE INFORMATION DISPLAY (if fitted)

When the ignition is on, the triple information display shows time and outside temperature. The date is displayed when the infotainment system is off.

When the ignition is off, you can display the time, date and outside temperature for approximately 15 seconds by briefly pressing one of the buttons below the display.

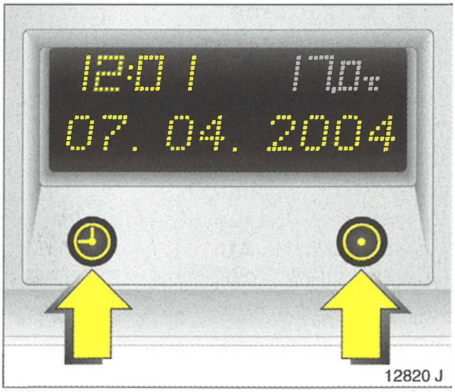
When the park lights or headlights are switched on, you can adjust the brightness of the display by using the button to the right of the headlight switch.

Display of **--.-°C** or **F** in the display indicates a fault. Contact a Holden Dealer to have the cause remedied.



Setting date and time

1. Switch on the ignition and switch off the infotainment system.
2. Press the ◷ button for approximately 2 seconds. The day flashes.
3. Press the ⊙ button until day is correct.
4. Press the ◷ button. The month flashes.
5. Press the ⊙ button until month is correct.
6. Press the ◷ button. The year flashes.
7. Press the ⊙ button until year is correct.
8. Press the ◷ button. The hours flashes.
9. Press the ⊙ button until hour is correct.
10. Press the ◷ button. The minutes flashes.
11. Press the ⊙ button until minute is correct.
12. Press the ◷ button. The clock starts at 0 seconds.



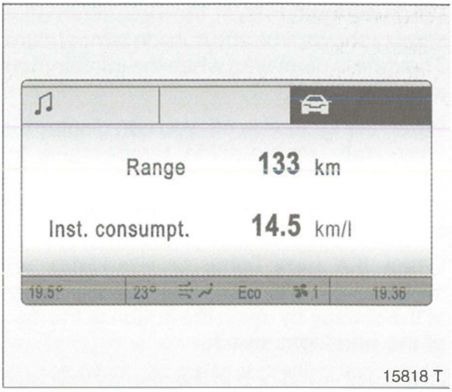
MULTI-INFORMATION DISPLAY (if fitted)

Multi-information display

Functions and settings of some equipment can be accessed via the multi-information display.

These functions are marked / executed from the menus in the display using the left adjuster wheel on the steering wheel, the multi-function button on the infotainment system or the four-way button on the infotainment system.

When the park lights or headlights are switched on, you can adjust the brightness of the display by using the button to the right of the headlight switch.

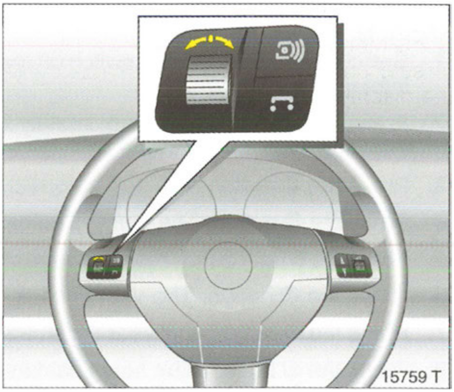


15818 T

Left adjuster wheel

To select using the left adjuster wheel on the steering wheel:

Turn up	Previous menu item.
Turn down	Next menu item
Press	Select marked item, confirm command.



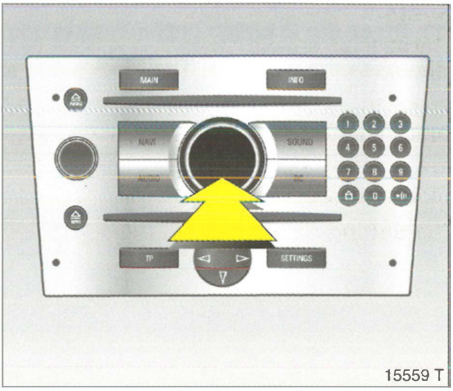
15759 T

Multi-function button

To select using the multi-function button:

Turn	Mark menu options, functions or commands.
Press	Select marked item, confirm command.

To exit a menu, turn the multi-function button left or right to **Return** or **Main** and then select by pressing it.

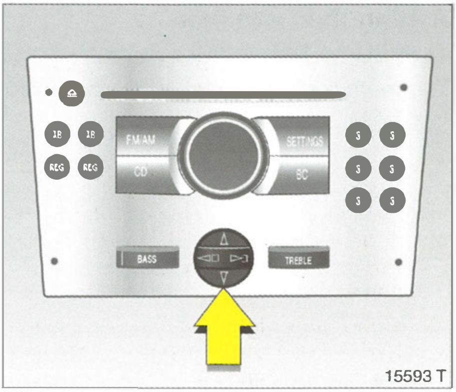


15559 T

MULTI-INFORMATION DISPLAY (if fitted) cont.

Four-way button

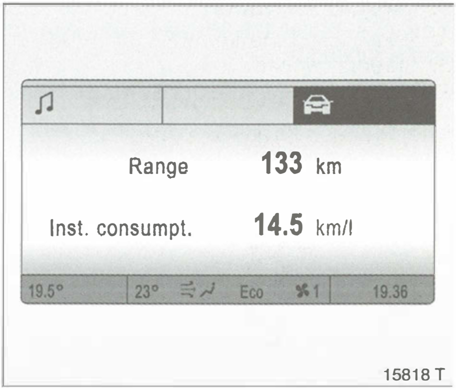
Select options via the menus and with the buttons / four-way button on the infotainment system.



15593 T

Menus and displays

Some menus and displays can be accessed by selecting the function from the top row of the display.



Range 133 km

Inst. consumpt. 14.5 km/l

19.5° | 23° Eco 1 | 19.36

15818 T

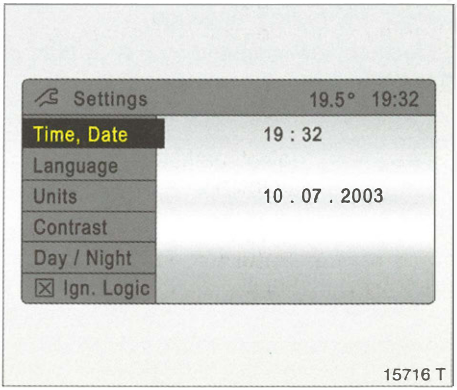
System settings

The settings are accessed via the **Settings** menu.

Press the **Main** button (if fitted) on the infotainment system (call up main display).

Press the **Settings** button on the infotainment system.

The **Settings** menu will be displayed.



Settings 19.5° 19:32

Time, Date 19 : 32

Language

Units 10 . 07 . 2003

Contrast

Day / Night

☒ Ign. Logic

15716 T

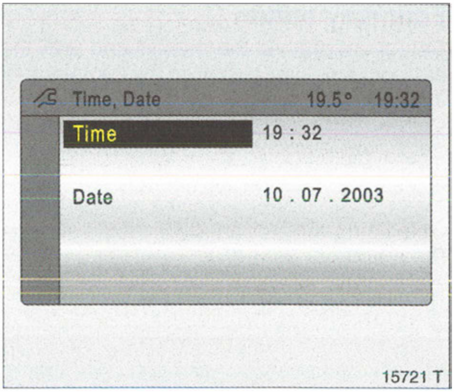
MULTI-INFORMATION DISPLAY (if fitted) cont.

Setting date and time

Select **Time, Date** from the **Settings** menu.

The menu for **Time, Date** will be displayed.

Select the menu items required.



Time, Date 19.5° 19:32

Time 19 : 32

Date 10 . 07 . 2003

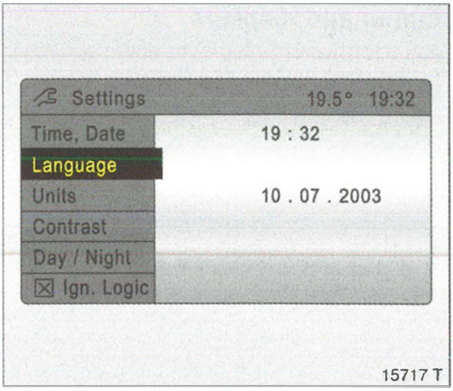
15721 T

Language selection

You can select the display language for some functions.

Select **Language** from the **Settings** menu.

The available languages are displayed.



Settings 19.5° 19:32

Time, Date
Language
Units
Contrast
Day / Night
☒ Ign. Logic

19 : 32

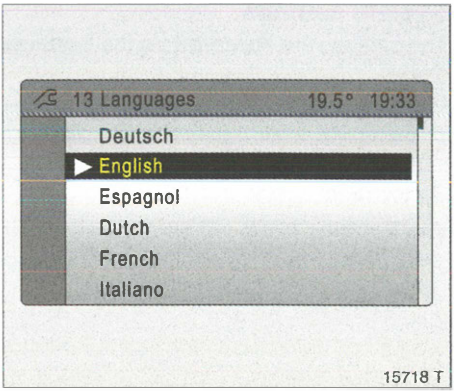
10 . 07 . 2003

15717 T

Select the desired language.

Selections are indicated by a ▶ in front of the menu item.

In systems with language version (if fitted), when the language setting of the display is changed, the system will ask if the message language should also be changed. Refer to the infotainment system instructions.



13 Languages 19.5° 19:33

Deutsch
▶ English
Espagnol
Dutch
French
Italiano

15718 T

MULTI-INFORMATION DISPLAY (if fitted) cont.

Setting units of measure

You can select which units of measure are to be used.

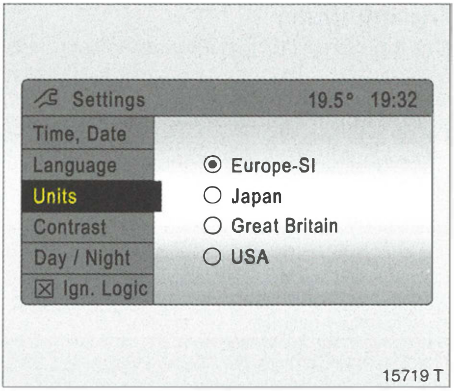
Select **Units** from the **Settings** menu.

The available units are displayed.

Select the desired unit.

Selections are indicated by a ● in front of the menu item.

For Australia/New Zealand, select the "Europe-SI" option.


Settings
19.5° 19:32
Time, Date
Language
Units
Contrast
Day / Night
☒ Ign. Logic
◉ Europe-SI
○ Japan
○ Great Britain
○ USA

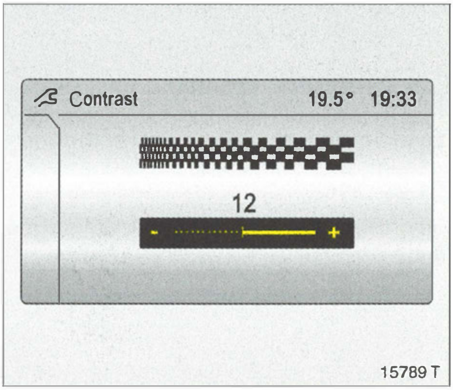
15719 T

Adjusting contrast

Select **Contrast** from the **Settings** menu.

The **Contrast** menu will be displayed.

Confirm the required setting.


Contrast
19.5° 19:33
12
-
+

15789 T

Setting display mode

The display can be adjusted to suit the light conditions, black text on a light background or light text on a black background.

Select **Day / Night** from the **Settings** menu.

The options are displayed.

Automatic	Adaptive based on vehicle lighting.
Always day design	Black text on a light background.
Always night design	Light text on a black background.

Selections are indicated by a ● in front of the menu item.

MULTI-INFORMATION DISPLAY (if fitted) cont.

Trip computer

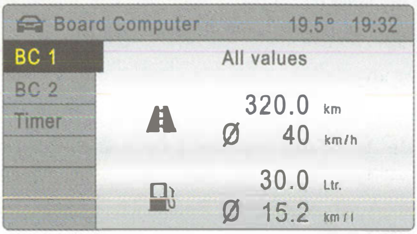
The trip computer provides information on driving data, which is continually registered and evaluated electronically.

There are two trip computers that register and evaluate data independently from one another.

To display trip computer driving data, press the **BC** button on the infotainment system and select the trip computer function in the display or press the left adjuster wheel on the steering wheel.

The **Board Computer** menu is opened and 'Range' and 'Instantaneous consumption' are displayed.

Some of the functions appear on the display in an abbreviated form.



All values

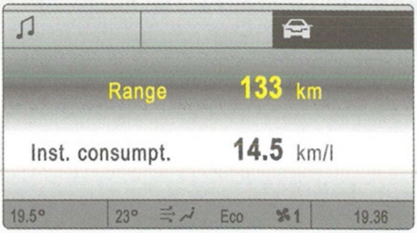
320.0 km
Ø 40 km/h
30.0 Ltr.
Ø 15.2 km/l

15821 T

Trip computer - range

Range is calculated from the current fuel tank content and instantaneous consumption. The display shows average values.

After refuelling, the vehicle updates the range automatically after a brief delay.

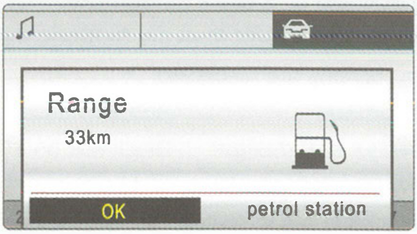


Range 133 km

Inst. consumpt. 14.5 km/l

15822 T

If the fuel in the tank will allow less than 50km, a warning 'Range' appears on the display.



Range
33km

15823 T

MULTI-INFORMATION DISPLAY (if fitted) cont.

Trip computer - instantaneous consumption

The display changes depending on speed:

Display in l/h	below 13km/h
Display in l/100km	above 13km/h

Trip computer - distance travelled

Displays the number of kilometres driven. Measurement can be restarted at any time.

Trip computer - average speed

Average speed calculation. Measurement can be restarted at any time. Time spent in the journey with the ignition off is not included in the calculation.

Trip computer - effective consumption

Displays the amount of fuel consumed. Measurement can be reset at any time.

Trip computer - average consumption

Calculation of average consumption. Measurement can be restarted at any time.

Resetting trip computer information

The following trip computer information can be reset (restart measurements):

Distance travelled

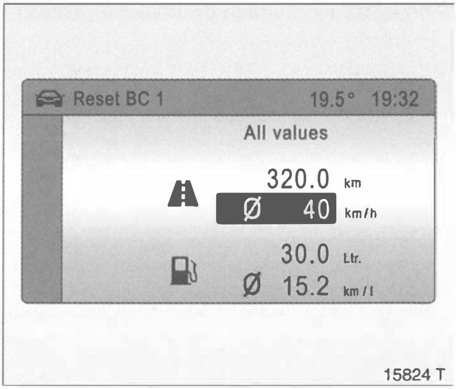
Average speed

Effective consumption

Average consumption

Select **BC1** or **BC2** in the trip computer menu.

Select the desired trip computer information.

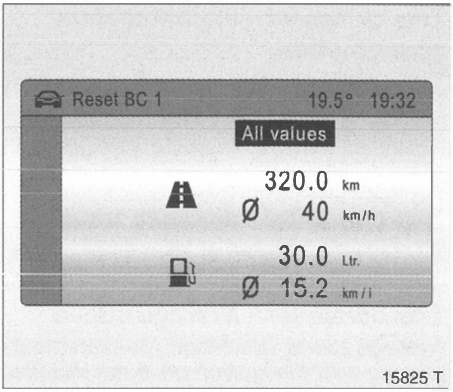


MULTI-INFORMATION DISPLAY (if fitted) cont.

The value for the selected function will be reset and recalculated.

Select **All values** to reset all information in the trip computer.

After resetting, '---' is displayed with the trip computer information selected. The recalculated values are displayed after a brief delay.


Reset BC 1
19.5° 19:32
All values
320.0 km
Ø 40 km/h
30.0 Ltr.
Ø 15.2 km/l

15825 T

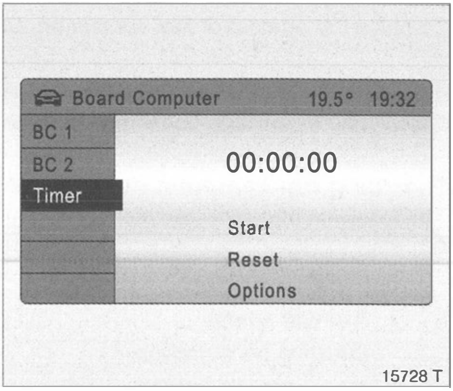
Stop watch

Select **Timer** from the **Board Computer** menu.

The **Timer** menu will be displayed.

Start the stop watch by selecting **Start**.

Reset the stop watch by selecting **Reset**.


Board Computer
19.5° 19:32
BC 1
BC 2
Timer
00:00:00
Start
Reset
Options

15728 T

Stop watch options

Different stop watch options can be accessed in the **Options** menu.

Driving time excluding stationary time
The time the vehicle is in motion is recorded. Stationary time is not recorded.

Driving time including stationary time
The time the vehicle is in motion is recorded. The time the vehicle is stationary with the key in the ignition is included.

Travel time
The time between manual activation via **Start** and deactivation via **Reset** is recorded.

MULTI-INFORMATION DISPLAY (if fitted) cont.

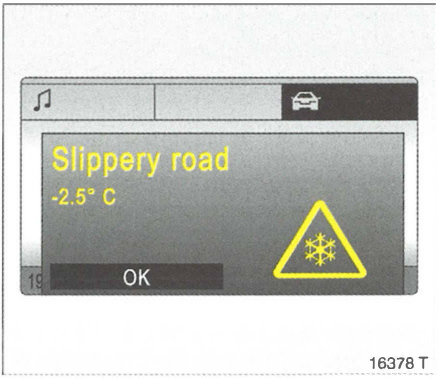
Outside temperature

A fall in outside temperature is indicated immediately and a rise in temperature after a time delay.

A warning message is shown in the display as a warning for icy road surfaces. There is no message below -5°C.

WARNING:

The road surface may already be icy even though the display indicates a few degrees above 0°C.


Slippery road
-2.5° C

16378 T

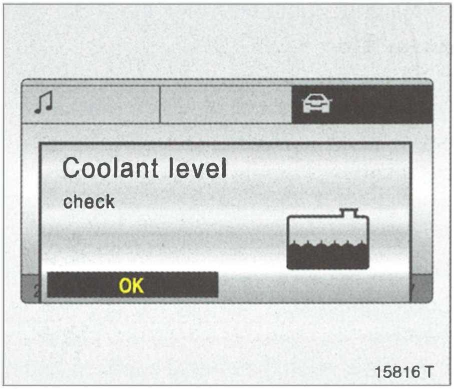
Check control

Check control monitors several fluid levels, the remote control batteries, and important external lights, including cables and fuses. When towing, trailer lighting is also monitored.

Once the ignition has been switched on, all check control functions are automatically verified.

Warning messages appear on the display. If there are several warning messages, they are displayed one after the other.

Some of the warning messages appear on the display in abbreviated form.


Coolant level
check

15816 T

If check control issues a warning message, the display is blocked from other functions. Acknowledge the message by pressing the multi-function button. If there are several warning messages, acknowledge them one at a time.

MULTI-INFORMATION DISPLAY (if fitted) cont.

Warning messages

**Remote Control Battery
check**

Displayed if the battery of the radio frequency remote control is too low. For battery replacement, refer to Chapter 2, Locks.

**Brakelight switch
check**

Fault. The brake light does not come on when brake is applied. Have cause of fault remedied immediately. Consult your Holden Dealer.

If there is a fault in the lighting system, the respective location of the fault is displayed as text, e.g.:

**Brakelight
check right**

For bulb replacement, refer to Chapter 6, Emergencies. If a brake light is defective, the relevant tail light takes over the brake light function.

Brake Pad

The front disc brake pads are worn down to the minimum thickness. Consult your Holden Dealer to have the brake pads replaced.

**Wash Fluid Level
check**

Fluid in the windscreen wash system is too low. Top up wash fluid, refer to Chapter 7, Weekly checks.

The rear window wash system is deactivated if the wash fluid level is too low.

**Coolant level
check**

The fluid level in the engine cooling system is low. Check the coolant level immediately.

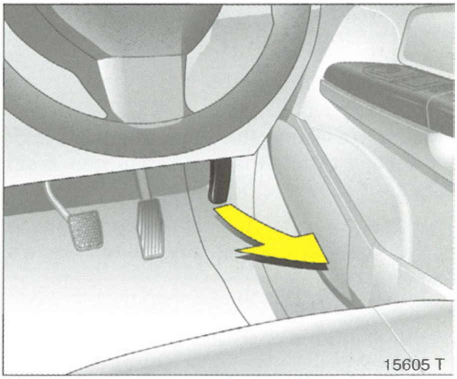
Interruption of power supply

Check control automatically checks all functions after the battery has been reconnected or changed. Stored warning messages appear on the display one after the other.

BONNET RELEASE

The bonnet release is located below the dashboard on the driver's side.

From inside the vehicle, pull the bonnet release lever towards you. This allows the bonnet to release but the safety catch prevents it from opening.

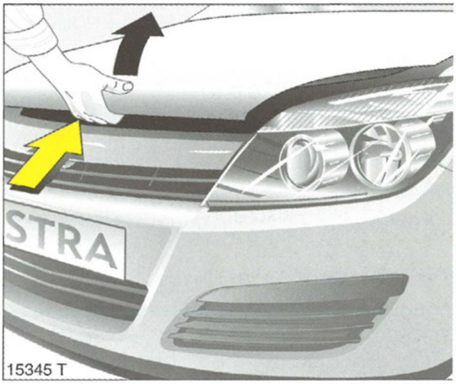


To open the bonnet completely, lift the safety catch upwards. The safety catch is located on the underside of the bonnet.

Note: When the bonnet is opened, dirt or debris can slide down and obstruct the air intake. Ensure the air intake is clear before driving.

The bonnet is held open automatically. To close the bonnet, lower it slowly and allow it to fall into the lock under its own weight.

Check that the bonnet is locked correctly in position by pulling at the front edge. If it is not engaged, repeat the procedure.



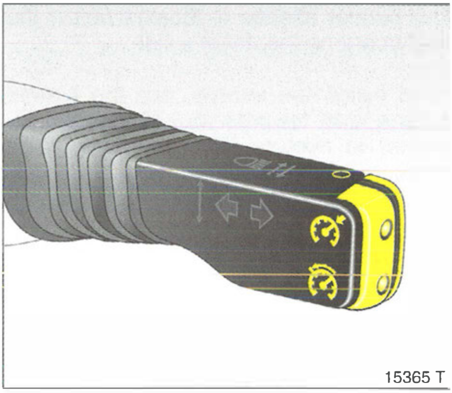
CRUISE CONTROL (if fitted)

The cruise control maintains the vehicle's speed without the driver having their foot on the accelerator pedal and operates at speeds over 30 km/h.

For safety reasons, the cruise control cannot be activated until the foot brake has been operated at least once.

The cruise control lever is on the right side of the steering column. The lever has two switches:

- The **O** (off) switch is at the top of the lever and is activated by pushing it in towards the steering column.
- The top part of the switch is used to adjust speed. It is a two-part switch, marked (increase) and (reduce).



15365 T

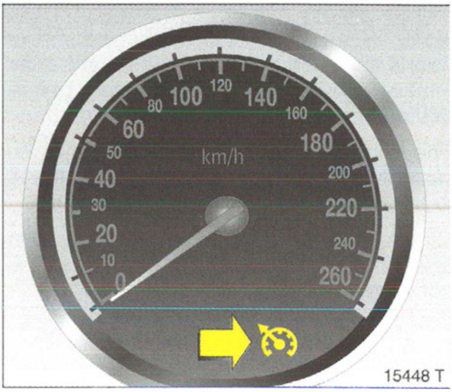
Cruise control indicator

The cruise control indicator illuminates for a few seconds when the ignition is switched on.

When driving, the cruise control indicator illuminates when cruise control is activated.

Switching on

Press the accelerator pedal until the vehicle is travelling at the desired speed (above 30 km/h) and then tap the button. Release the accelerator pedal; the cruise control is now maintaining speed.



15448 T

To increase speed with the cruise control on

Hold the button down or tap it repeatedly: The speed is increased continuously or in steps of 2 km/h without using the accelerator pedal.

When the button is released, the selected speed is stored and maintained.

To decrease speed with the cruise control on

Hold the button down or tap it repeatedly: The speed is reduced continuously or in steps of 2 km/h without using the accelerator pedal.

When the button is released, the selected speed is stored and maintained.

CRUISE CONTROL (if fitted) cont.

Resuming the stored speed

Tap the button when the vehicle's speed is above 30 km/h. The speed selected before the cruise control was switched off is resumed.

The stored speed is erased when the ignition is switched off.

The cruise control indicator illuminates for a few seconds when the ignition is switched on.

When driving, the cruise control indicator illuminates when cruise control is activated.

Switching off

Tap the **O** button : The cruise control is switched off and the vehicle slowly decelerates.

To continue driving, press the accelerator pedal.

The cruise control is also switched off when:

- Vehicle speed drops below 30 km/h.
- The brake pedal is pressed.
- The clutch pedal is pressed.
- The selector lever of vehicles with automatic transmissions is moved to **N**.

WARNING:

- **Do not use the cruise control when road or driving conditions could require varying speeds. A constant speed may not be practical in heavy or varying traffic, or on winding, slippery or rough roads.**
- **Remember that when the cruise control is maintaining your speed taking your foot off the accelerator pedal will not reduce speed. To quickly deactivate the cruise control you should press the brake or clutch pedal, or push the 'O' button.**
- **If your vehicle is fitted with an automatic transmission it is advisable to switch on the cruise control only when the transmission shift lever selector is in 'D'.**
- **The cruise control will not apply the vehicle's brakes. Therefore the vehicle may gain speed when going down steep hills.**
- **When climbing steep hills (particularly when towing) it is possible for the vehicle to lose speed. You may need to switch off the cruise control and instead use the accelerator pedal.**

CHAPTER 2

Locks

Page

2-2 Immobiliser

2-3 Keys and locks

2-5 Remote control

2-7 Door locks and deadlocking

2-9 Electric door locks

2-11 Tailgate

IMMOBILISER

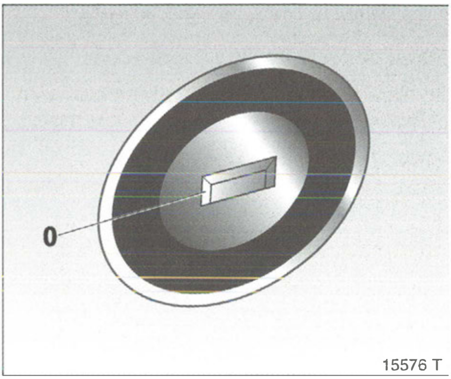
Electronic immobiliser

The system checks whether the vehicle can be started using the key that has been inserted. If the transponder in the key is recognised as 'authorised', you can start the vehicle.

The electronic immobiliser activates automatically when the key is removed from the ignition switch.

Note: Deactivation is not possible in any other way, so keep a spare key in a safe place.

Note: The electronic immobiliser does not lock the doors. Always lock the vehicle before leaving it unattended.



Control indicator for immobiliser

When the ignition is switched on, the control indicator (🔧) in the instrument panel illuminates briefly.

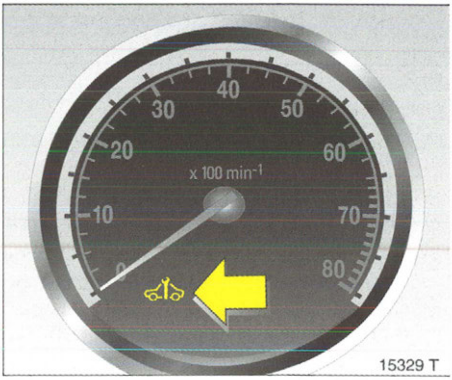
If the control indicator flashes when the ignition is on, there is a fault in the immobiliser system.

If the engine cannot be started:

1. Remove the key from the ignition switch.
2. Insert the key into the ignition switch.
3. Repeat the starting procedure.

If the control indicator 🔧 continues to flash, try to start the engine using the spare key and consult a Holden Dealer.

If the control indicator 🔧 illuminates after the engine has started, there is a fault in the engine electronics or the automatic transmission. Consult your Holden Dealer.



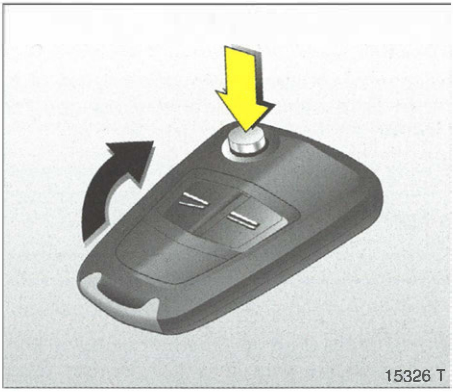
KEYS AND LOCKS

Key with foldaway key section

Press button to extend key section.

To retract the key section, press the button and fold the key section into the remote.

Note: The key engages audibly.



Security

Your vehicle has a security card which lists various security numbers for your vehicle. Keep the security card in a safe place, away from your vehicle.

Free turning door locks

The door lock is designed to 'free turn' if it is forcefully rotated with an incorrect key or if the correct key is not fully inserted. To reset the door lock, turn the lock with the correct key until its slot is vertical, remove the key and then re-insert it. If the lock still 'free turns', turn the key a full 180 degrees and repeat the operation.

Note: This feature is provided as a theft deterrent to prevent the lock from being forced open. The force required to make the key 'free turn' reduces each time. The force gets easier with each free turn. Do not attempt to demonstrate or test this feature and always remember to fully insert the key when locking and unlocking the doors.

If you have problems with this system contact your Holden Dealer. Remember that your vehicle is covered for the first three years by Roadside Assistance. Refer to Chapter 9, Customer assistance.

Fuel filler release

The fuel filler flap is unlocked whenever the doors are unlocked. Refer to Chapter 5, Fuel for information about refuelling.

KEYS AND LOCKS cont.

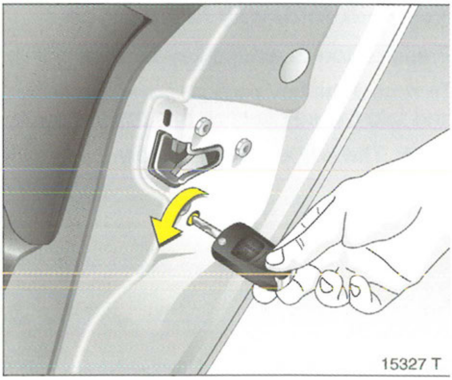
Childproof switches for the rear doors

Childproof switches help prevent the rear doors from being accidentally opened by children from inside the vehicle.

The switches are located on the rear edge of the rear doors, accessible when the door is open.

To prevent the door from being opened from the inside, use the ignition key to turn the switch away from the vertical position.

The door can then only be opened by pulling up the inside door lock button and then raising the outside door handle.



WARNING:

Use the child safety lock whenever children occupy the rear seats.

For safety, check that the childproof switch is operating correctly (after setting) by trying to open the door from inside the vehicle.

REMOTE CONTROL

Operation notes

The remote control is powered by a battery inside the key head. A weakening battery is indicated by a progressive 'loss of range', which means you must be closer to the vehicle when pressing the key.

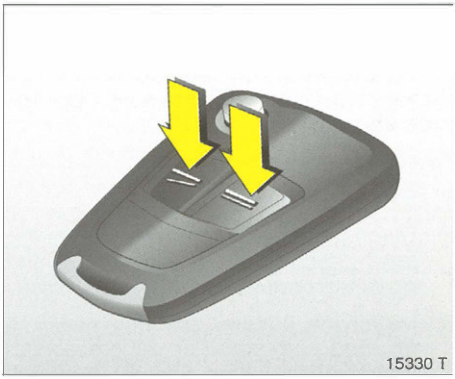
Tinting the vehicle's windows reduces the range of the key if the tinting material has a metallic film.

Treat the remote with care. Always protect the key against moisture and unnecessary operation.

The hazard warning lights on the vehicle flash briefly to show that the remote control is operational.

Use the remote control to operate:

- Central locking system.
- Electric windows (if fitted) - four windows only.



Synchronising the remote control

In the event of a malfunction, synchronise the remote control:

1. Switch on the ignition.

   The system will then remain in synchronising mode for thirty seconds.

2. Briefly press any button on the remote control unit while the unit is in the ignition.

   The central locking system locks and unlocks to show that the remote control has been programmed.

REMOTE CONTROL cont.

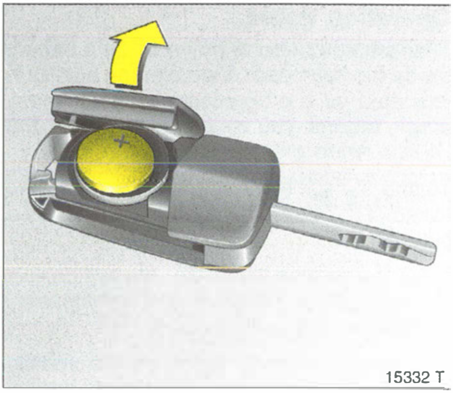
Changing the remote control battery

Note: The battery change must be performed within 3 minutes, otherwise the remote control will have to be re-synchronised.

To change the battery:

1. Extend the key.
2. Disengage the remote control from the key section using a screwdriver and open the remote control battery cover.
3. Install the battery, ensuring that it is inserted correctly. For remote control battery specification, refer to Chapter 8, Specifications.
4. Close the remote control so that it clicks into place.

Dispose of the old battery in accordance with environmental protection regulations.



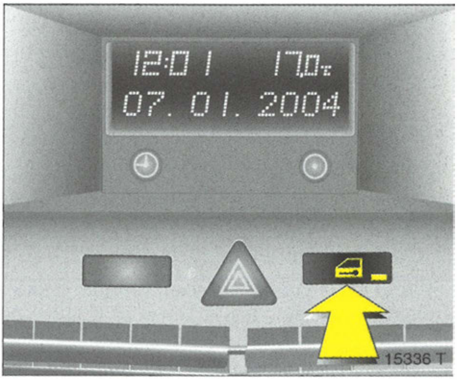
DOOR LOCKS AND DEADLOCKING

To lock and unlock the doors from inside

Press the central locking button 🚪 on centre console. The doors are locked or unlocked.

Note:

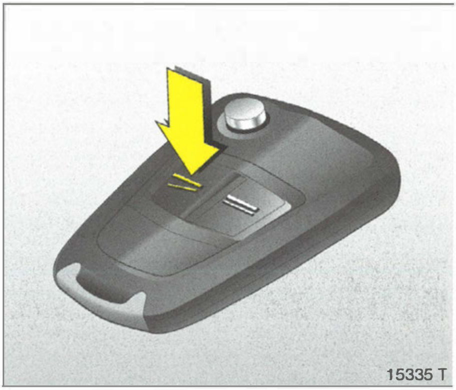
- If the driver's door is not closed properly, the central locking system will deactivate immediately after locking.
- If the central locking system is activated, the doors can be unlocked by pulling one of the interior door handles. This action unlocks all of the other doors.
- If deadlocking has been activated, the doors cannot be unlocked using this button.



To unlock the vehicle from outside

Press the ≥ button on the remote control. The doors, tailgate and fuel tank filler unlock and the interior light is switched on.

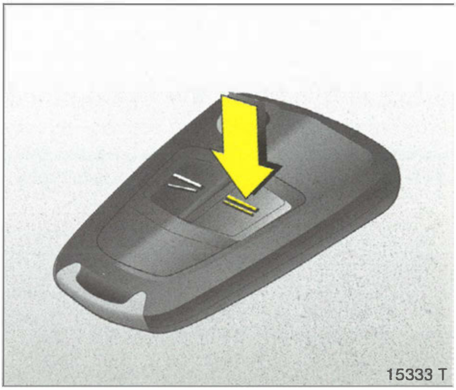
Note: Unlocking the doors deactivates deadlocking.



To lock the vehicle from outside

Press the = button of the remote control. This locks the doors, tailgate and fuel filler flap.

Note: Using the key in the driver's door will only lock the driver's door. It will not lock the passenger doors, the tailgate or the fuel filler flap.

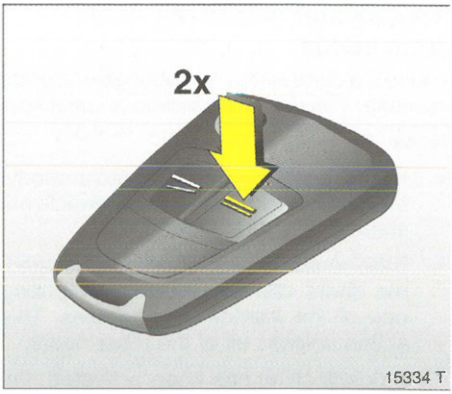


DOOR LOCKS AND DEADLOCKING cont.

Deadlocking

To deadlock all doors:

- All doors must be locked.
- The driver's door must have been opened at least once after the ignition was switched on.
- Press the ═ button on the remote control again within fifteen seconds after locking.



Deadlocking locks all doors so that no door can be opened even if entry is gained by breaking glass.

Deadlocked doors can only be unlocked from outside the vehicle with the ignition key.

Do not use the deadlock if there are people in the vehicle. The doors cannot be unlocked from inside.

Automatic locking (if fitted)

The doors can be automatically locked from a speed of 12 km/h.

To activate and deactivate this function, press and hold the central locking button 🔒 on the centre console for at least three seconds.

The doors will automatically relock five minutes after unlocking with the remote control unless a door or the luggage compartment has been opened.

NOTE: If the driver's door is not closed properly, the central locking system will not lock.

NOTE: To lock the doors from within the vehicle, press the central locking button 🔒 on the centre console.

NOTE: If the central locking system is locked, the doors can be also unlocked by pulling the interior handle. This unlocks the central locking system.

NOTE: In the event of an accident of a certain severity, locked doors unlock automatically (to allow help to gain entry from outside) and the hazard warning lights are activated provided that the ignition key is inserted in the ignition switch.

Store and activate the settings using the remote controls

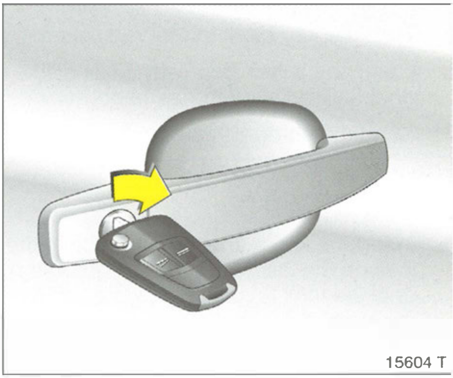
When the vehicle is locked with the remote control, the current settings of the Electronic Climate Control (if fitted) and instrument illumination are saved. The remote controls save and activate settings independently of one another.

ELECTRIC DOOR LOCKS

Emergency - accident

Locked doors are unlocked automatically in the event of an accident (to allow assistance from outside), provided that the ignition is not switched off.

Fault in radio frequency remote



You can unlock and lock the driver's door in the event of malfunction of the radio frequency remote.

(A) Unlock:

1. Turn the key in the driver's door lock towards the front of the vehicle.
2. Turn it until it will not move any further, then turn the key back to the vertical and remove.
3. Open the door.
4. Press the central locking button 🔒 on centre console.

   The vehicle is unlocked.

(B) Lock:

1. With driver's door closed, open the passenger door.
2. Press the central locking button 🔒 on the centre console.

   The central locking system locks all the doors.
3. Close the passenger door.
4. The vehicle is locked.

ELECTRIC DOOR LOCKS cont.

Malfunction in central locking system

(A) Unlock:

1. Turn the key in the driver's door lock towards the front of the vehicle as far as it will go.
2. Turn the key back to the vertical position and remove.
3. Open the other doors by pulling the interior door handle. This is not possible if deadlocking system has been activated.

The luggage compartment and fuel filler cap remain locked.

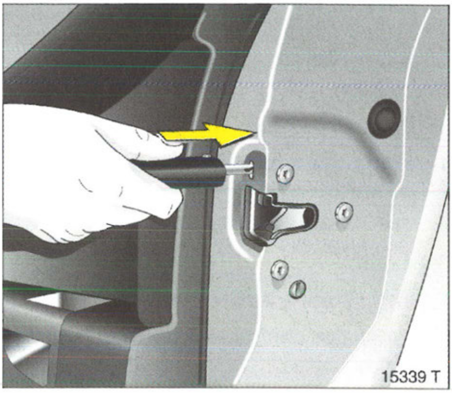
The vehicle is unlocked.

(B) Lock:

1. Insert the key in the opening above the lock on the inside of the door and press until the lock is audibly actuated. Close the door.
2. Repeat the procedure for each door.

The driver's door can be locked from the outside using the lock.

The unlocked fuel filler flap cannot be locked.

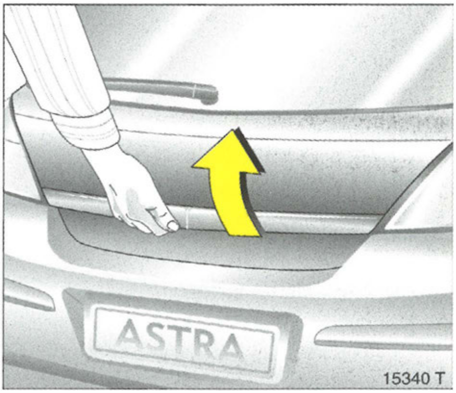


TAILGATE

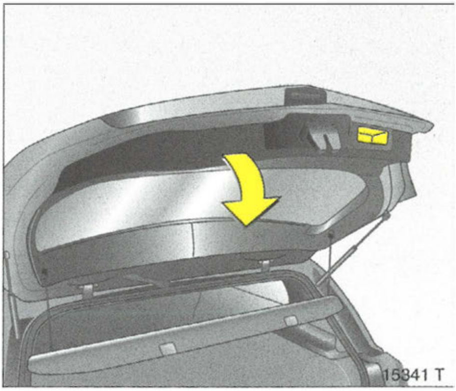
Tailgate

To unlock the tailgate, press the ⦣ button on the remote control.

The luggage compartment is unlocked together with the central locking system and can be opened by pressing the button below the handle.



There is a handle on the inside of the tailgate for closing the luggage compartment.



WARNING

Do not drive with the tailgate open or ajar as toxic exhaust fumes may enter the vehicle interior.

CHAPTER 3

Know your vehicle

Page

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3-7 Rear seat adjustment - hatch
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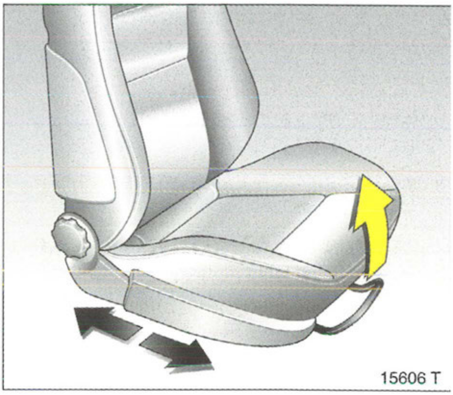
FRONT SEAT ADJUSTMENT

Forward / rearward

Pull up the handle at the front of the seat. Using your weight, slide the seat forward or backward. After releasing the handle, try to move the seat back and forth to ensure that the seat has locked into the new position.

WARNING:

Do not adjust the driver's seat when the vehicie is moving as the seat could move suddenly causing the driver to lose control.

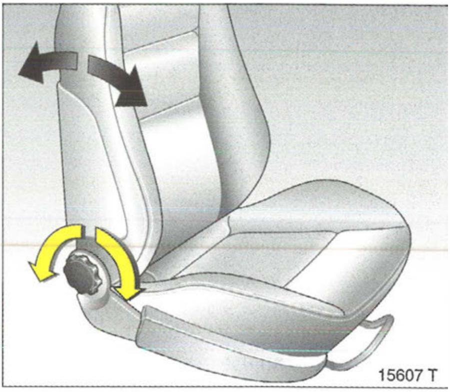


Recline / incline

To adjust the angle of the back of the seat, turn the large wheel as illustrated.

WARNING:

To avoid reducing the effectiveness of seat belts, seats should only be semi-reclined when the vehicle is moving. Only fully recline the seats when the vehicle is stationary.



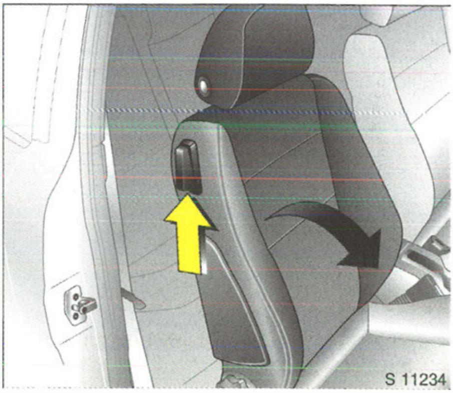
Front seat folding (3 door hatch)

To allow easy entry and exiting of the rear seating positions, the front seats fold forward.

To fold the front seat forward, lift the release lever, lower the backrest and slide the seat forward.

To raise the seat, slide the seat backwards and engage in position. Lift the release lever and raise the backrest.

Note: The seat will engage in the original position when slid backwards.



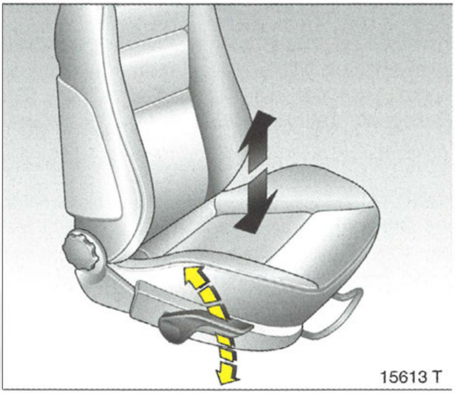
FRONT SEAT ADJUSTMENT cont.

Driver's height adjustment

Pump the lever as required:

Up: Raises the seat.

Down: Lowers the seat.

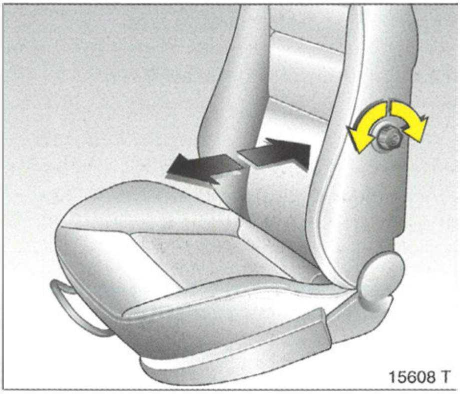


WARNING – SIDE IMPACT AIRBAGS:

Do not fit unauthorised seat covers as they may impair the deployment of the Side Impact Airbags.

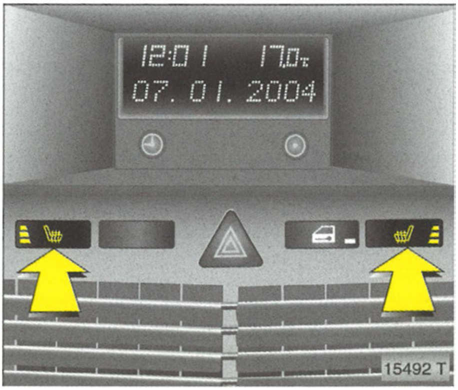
Do not position your body or any object (including pillows) between front seats and doors. Front seat occupants should not lean on or sleep against the door.

Always sit centrally in the seat. Refer to Chapter 6, Airbags.



Lumbar support (if fitted)

Turn the wheel on the side of the seat back, as illustrated, to adjust the lumbar support.



Front seat heating (if fitted)

Seat heating only operates when the ignition is switched on and the engine is running.

To switch on:
Press the ♨ switch one or more times to set the desired heat setting. The indicator lights in the switch show which of the three heating levels is active.

To switch off:
Press the ♨ switch repeatedly until the indicator lights go out.

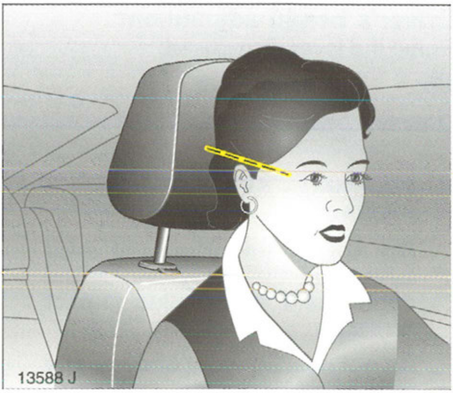
Note: Prolonged use of seat heating is not recommended for people with sensitive skin.

FRONT SEAT ADJUSTMENT cont.

Head restraint position

The middle of the head restraint should be at eye level. If this is not possible; set the head rest to the highest position for extremely tall people and to the lowest position for short people.

Head restraint note: This safety feature is not intended as a headrest. It is solely for the reduction of whiplash neck movement in an accident involving your vehicle.



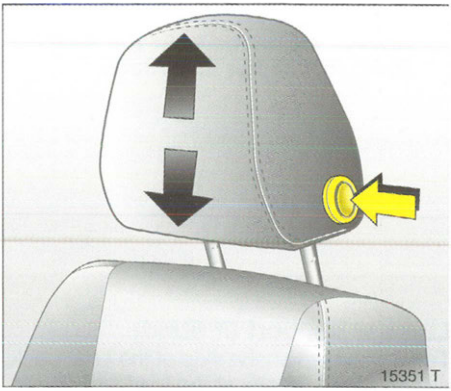
Front seat head restraints

To adjust the tilt angle, move the head restraint backward or forward.

To adjust the height, tilt the head restraint forward, hold it firmly, press the button, adjust the height and release.

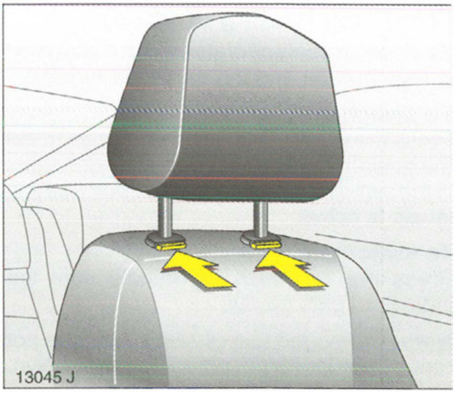
Note: The upper edge of the head restraint should be level with the top of the occupant's head; never at neck level.

After adjusting, ensure the head restraint has locked into position by attempting to move it up or down.



Remove head restraints

Release the two springs (located at the base of the restraint, as illustrated) by pressing them and detaching the head restraint.

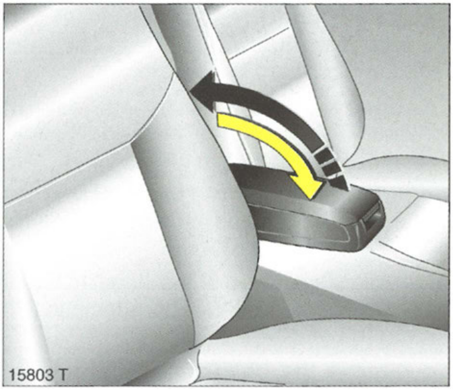


FRONT SEAT ADJUSTMENT cont.

Front armrest (if fitted)

Push the raised armrest backward against resistance and fold it down.

The armrest can be moved to different positions in stages by lifting it.



REAR SEAT HEAD RESTRAINTS

Rear seat head restraints

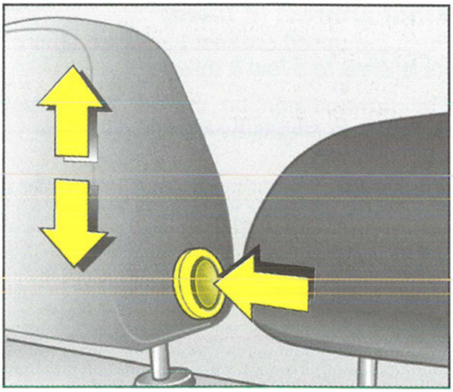
To adjust the tilt angle, move the head restraint backward or forward.

To adjust the height, tilt the head restraint forward, hold it firmly, press the button, adjust the height and release.

Note: The upper edge of the head restraint should be level with the top of the occupant's head; never at neck level.

After adjusting, ensure the head restraint has locked into position by attempting to move it up or down.

To remove the head restraints, release the two springs (located at the base of the restraint) by pressing them and detaching the head restraint.

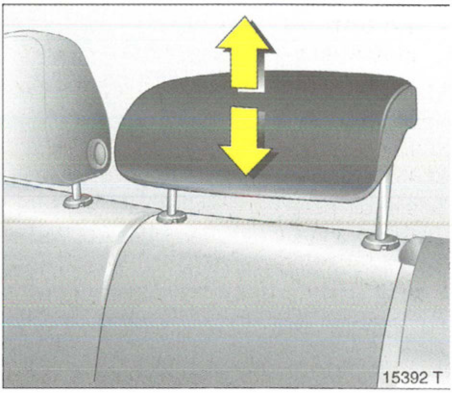


Rear centre head restraint

If the centre seat is not occupied, push the head restraint down to its lowest position by pressing the locking springs and pushing down to improve the rear view.

If the centre seat is occupied, set the head restraint to the first or second position according to the height of the passenger.

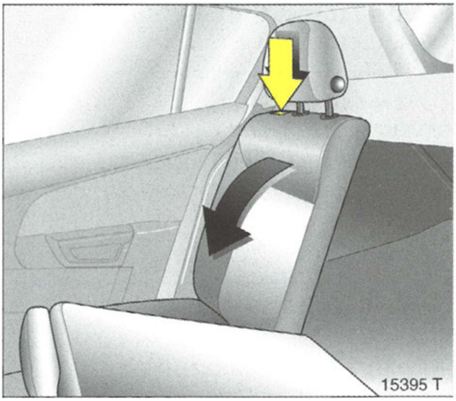
Note: This safety feature is not intended as a headrest. It is solely for the reduction of whiplash neck movement in an accident involving your vehicle.



REAR SEAT ADJUSTMENT - HATCH

Folding down the rear seat backrests

1. Push the rear head restraints all the way down or remove.
2. Slide front seat forward slightly.
3. Disengage one or both rear seat backrests using the push buttons and fold down onto seat cushion.
4. Return front seat to desired position.



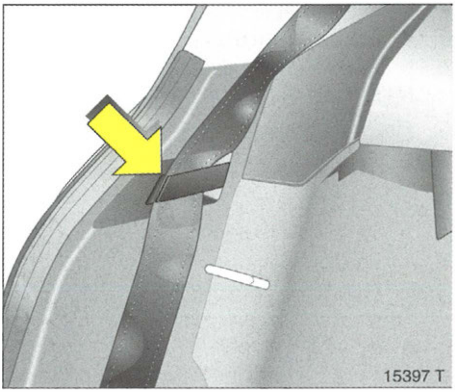
Restoring the rear seat backrests to an upright position

Guide the seatbelt through the side brackets.

Make sure that the seatbelt is not pinched or damaged.

Make sure that the backrests audibly engage in an upright position.

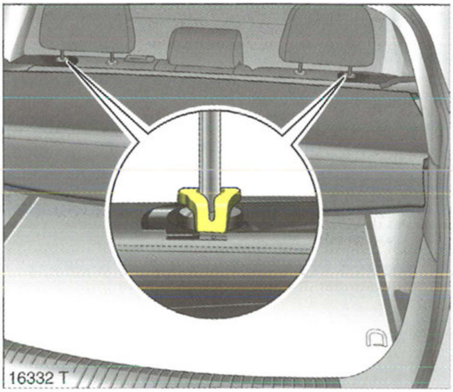
The three-point seatbelt for the centre rear seat can only be pulled from its inertia reel if the backrest is upright and properly engaged.



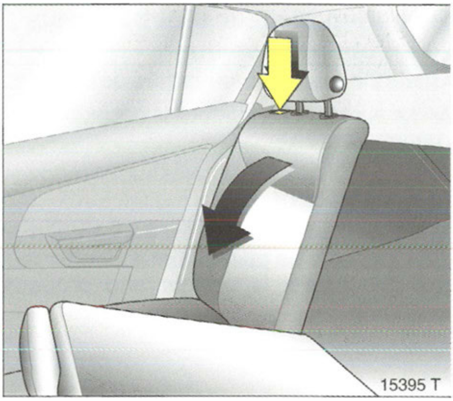
REAR SEAT ADJUSTMENT - WAGON

Folding down the rear seat backrests

1. Push the rear head restraints all the way down or remove.
2. Detach the luggage compartment hooks from the rear head restraints.



3. Slide front seat forward slightly.
4. Disengage one or both rear seat backrests using the push buttons and fold down onto seat cushion.
5. Return front seat to desired position.



Restoring the rear seat backrests to an upright position

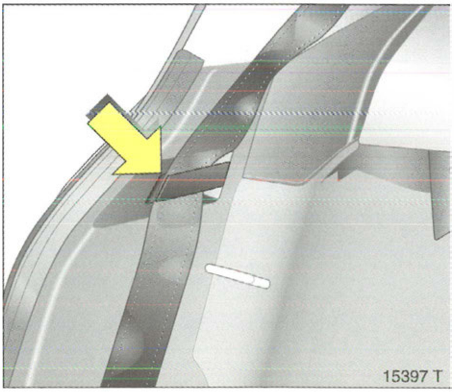
Guide the seatbelt through the side brackets.

Make sure that the seatbelt is not pinched or damaged.

Make sure that the backrests audibly engage in an upright position.

The three-point seatbelt for the centre rear seat can only be pulled from its inertia reel if the backrest is upright and properly engaged.

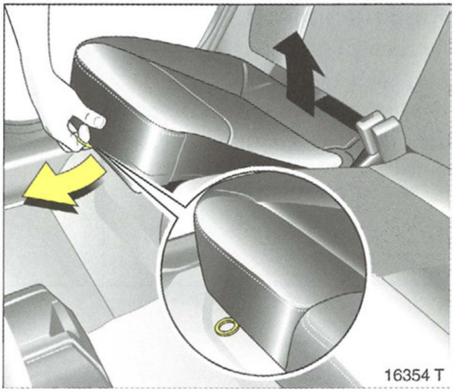
Attach the luggage compartment hooks to the rear head restraints.



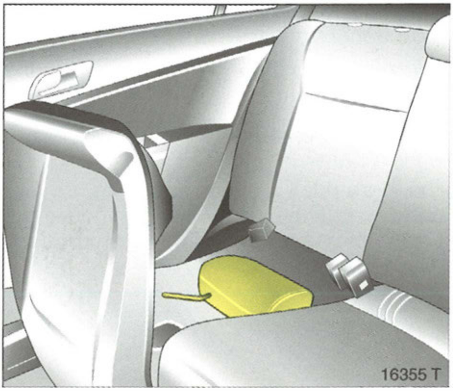
REAR SEAT ADJUSTMENT - WAGON cont.

Wagon - folding down the rear seat backrests with the seat cushion raised

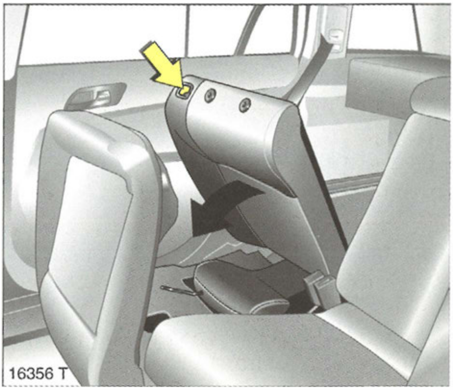
1. Pull the strap on the seat cushion and lift the backrest forward (one or both rear seat backrests).
2. Detach the luggage compartment hooks from the rear head restraints (refer previous page).



3. Remove the rear head restraints. Stow the removed head restraints in the cavity below the raised seat cushion.



4. Disengage one or both rear seat backrests using the push buttons and fold down against raised seat cushion.

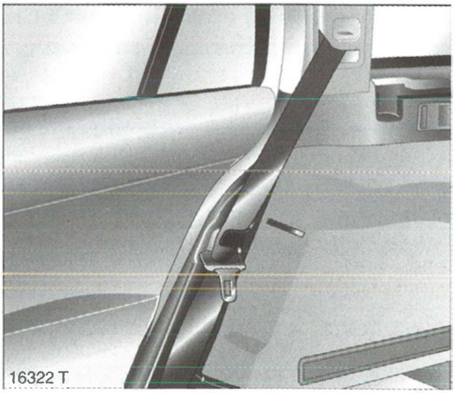


REAR SEAT ADJUSTMENT - WAGON cont.

Restoring the rear seat backrests to an upright position with seat cushion raised

Guide the seatbelt through the side brackets.

Make sure that the seatbelt is not pinched or damaged.

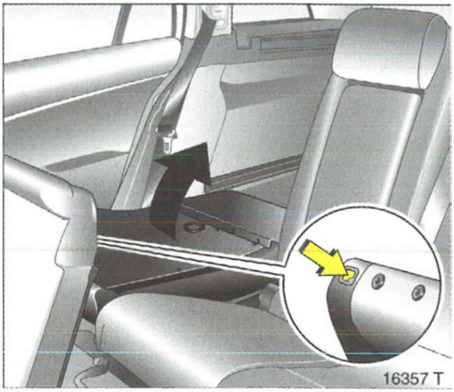


Make sure that the backrests audibly engage in an upright position.

Insert and adjust the head restraints in the backrests.

Attach the luggage compartment hooks to the rear head restraints.

The three-point seatbelt for the centre rear seat can only be pulled from its inertia reel if the backrest is upright and properly engaged.



SEAT BELTS

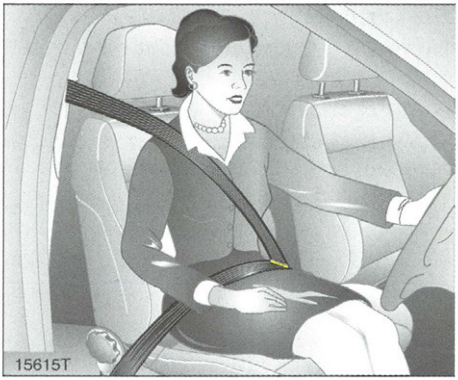
Lap-sash belts

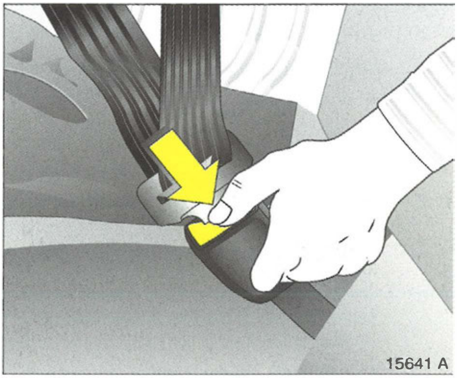
To put on a lap-sash seat belt, pull the belt across your body and clip the metal tongue into the buckle. The metal tongue locks safely into place with a click. Settle the belt at the hip, then tug the sash upward. Any extra belt length retracts automatically.

Wear the lap section as low as possible on the hips, not on the waist. Make sure the sash and lap sections of the seat belt fit firmly and are free from twists.

The emergency-locking retractor allows you to move freely while the vehicle is travelling normally. The belt immediately locks on fast braking, impact with a solid object or any quick movement by the wearer.

To undo the belt, press the release button on the buckle and allow the belt to retract. Check that it retracts fully without twisting.



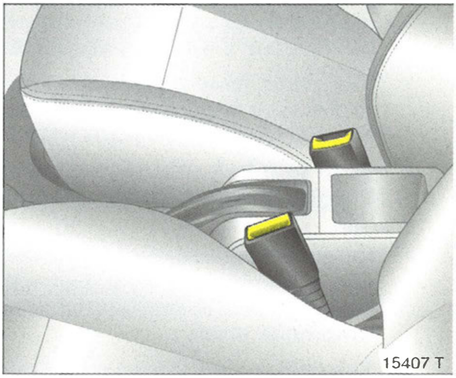


Seat belt pretensioners

The front seat belt system incorporates 'once-only' seat belt pretensioners. In the event of a moderate to severe front-on or rear-end collision, the belt buckles are pulled downwards, instantly tightening the diagonal and lap belts.

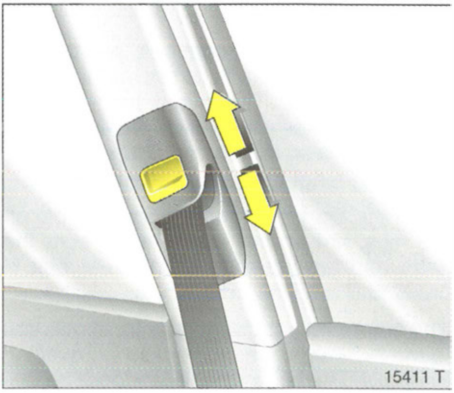
If the seat belt pretensioners are activated, the ⚠ light illuminates. Yellow tabs are also displayed on the belt buckles.

Note: If the belt pretensioners have been activated, they must be replaced by a Holden Dealer. However, the seat belts remain operational even when the belt pretensioners have been activated.



SEAT BELTS cont.

Seat belt height adjust



Note: Do not adjust the seat belt height while driving.

1. Pull the belt out a little.
2. Press the button down or push the belt guide up to the desired height.
3. Allow the anchorage to lock audibly into position.

Adjust the seat belt height so that the belt passes over the wearer's shoulder and rests against the shoulder. It must not pass over the neck or upper arm. Shorter people should select a low belt guide position and taller people a high position.

Australian law requires that the driver and all passengers be properly restrained at all times with the seat belts provided in the vehicle. Failure to do so increases the chance of injury and / or the severity of injury in accidents.

Ensure that belts are not damaged or trapped by sharp-edged objects.

WARNING:

- **Seat belts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.**
- **Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.**
- **Care should be taken to avoid contamination of the webbing with polishes, oil and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if webbing becomes frayed, contaminated or damaged.**
- **It is essential to replace the entire assembly after it has been worn in a severe impact, even if damage to the assembly is not obvious. Belts should not be worn with straps twisted.**
- **Each seat belt assembly must only be used by one occupant; it is dangerous to put a belt around a child being carried on the occupant's lap.**
- **No modification or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.**
- **The positioning of the tongue restrictor must never interfere with, or stop, the belt from fully retracting.**

WHICH TYPE OF CHILD RESTRAINT FOR YOUR CHILD?

Children should be restrained at all times and fitted with a child restraint appropriate to their size when travelling in a vehicle. Following are some guidelines about selecting the appropriate restraint for your child.

Infants

Rearward facing infant capsule		
WEIGHT	**HEIGHT**	**APPROX. AGE**
Less than 9 kg	Less than 70 cm	Up to 6 mths

Designed so that in the event of a collision, impact forces will be evenly spread over the baby's back, with minimal jarring to the vulnerable head and neck area.

Young children

Forward facing child seat		
WEIGHT	**HEIGHT**	**APPROX. AGE**
8 to 18 kg	70 to 100 cm	6 mths to 4 yrs

For use when the child is able to sit and easily hold his or her head upright. It is also possible to purchase convertible seats which can be used as a rearward facing restraint or converted to a forward facing child seat.

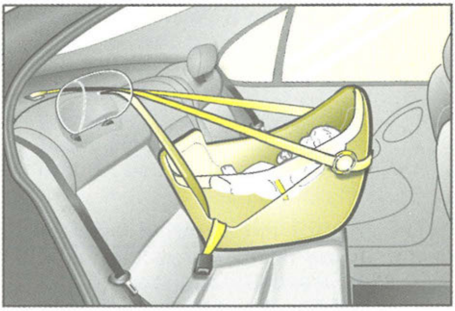
Booster seat with lap / sash seat belt		
WEIGHT	**HEIGHT**	**APPROX. AGE**
–	More than 100 cm	4 to 10 yrs

When children outgrow a typical forward-facing child seat, they are still too small for lap / sash seat belts. A booster seat raises the child so that the knees bend comfortably, the lap / sash seat belt is correctly positioned and the child can see out the window. A rigid booster seat with a back, side wings and sash guide gives the best protection. In assessing the range of children who would benefit from booster seats, height is a better indicator than age or weight.

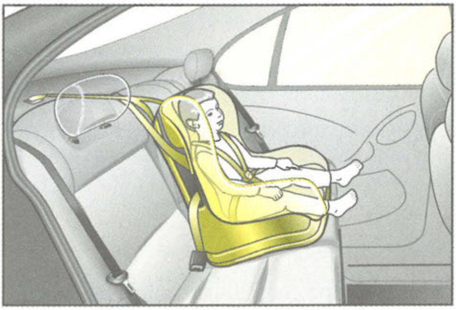
Older children

A child should use a normal lap / sash seat belt only when:

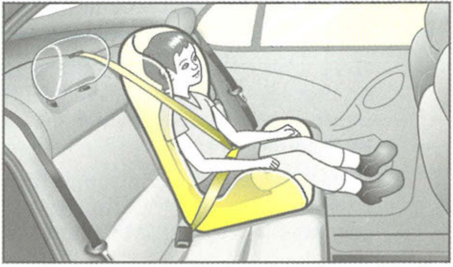
- he / she can sit against the back of the rear seat with knees bent comfortably at the edge of the seat
- lap belt rests low and snug across the hips – not across the stomach
- sash belt is centred on shoulder and chest,
- he / she is able to stay seated like this for the entire trip.



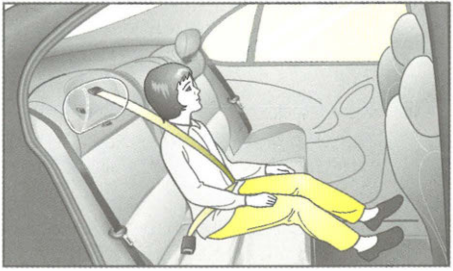
Rearward facing child capsule



Forward facing child seat



Booster seat with lap / sash seat belt

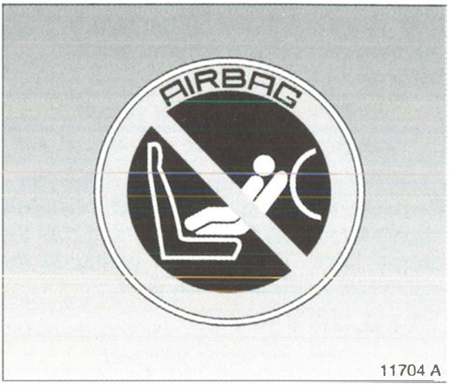


Adult lap / sash seat belt

CHILD RESTRAINTS

WARNING – EXTREME HAZARD:

- **Do not use a rearward facing child restraint on a seat protected by an airbag in front of it. The child could be seriously injured if the airbag inflates, as the child's head would be very close to the inflating airbag.**
- **NEVER install a child restraint in the front seat of a vehicle fitted with Side Impact Airbags (SIAB). Remember that it is safest for children to be seated in the rear seats.**



Children should be restrained at all times when travelling in a vehicle.

Always ensure that the seat belt fits firmly around the child restraint. If a child cannot see out of the window, do not raise him / her by means of an ordinary cushion. It will not stay in place in a collision and the child can slip out of the straps and become entangled.

WARNING:

- **Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts, harnesses or for attaching other items or equipment to the vehicle.**
- **Only child restraints that have clips to attach to the vehicle's anchorage fitting (as shown in the following illustrations) are to be used. Earlier types of child restraints may not attach securely to this type of anchor.**
- **Only Standards Australia approved child restraints and harnesses should be used. You should only purchase a child restraint which carries the appropriate Standards Australia sticker of approval.**

CHILD RESTRAINTS cont.

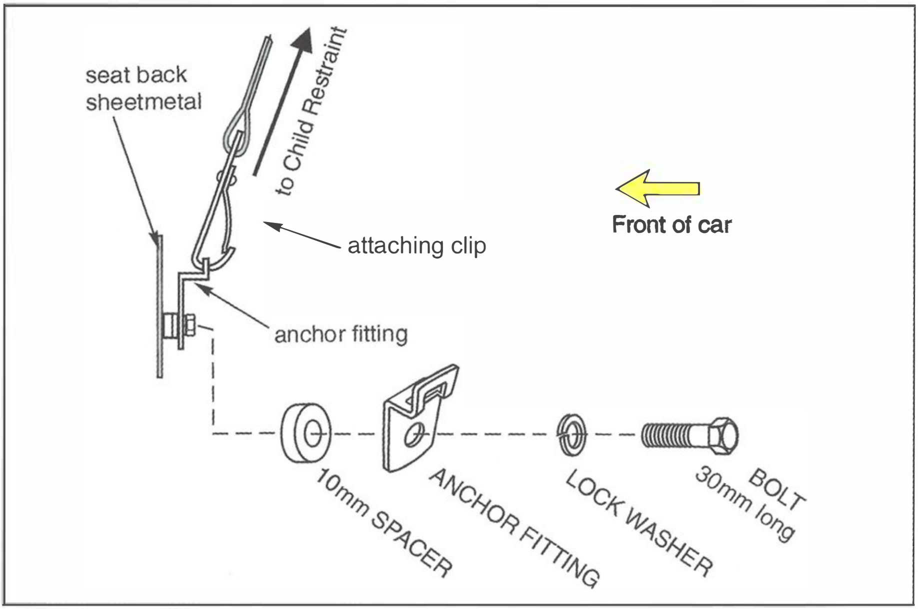
Three anchorage points are provided in the back of the rear seats.

One anchorage point is located in the centre position.

If you wish to use a child restraint in either of the outer positions:

1. Remove the cover plug.
2. Install an additional anchorage fitting, using the bolt, spacers and washer supplied with a child seat (as illustrated).
3. Ensure that the bolts (inner or outer positions) are securely tightened to 15–25 Newton metres (Nm).

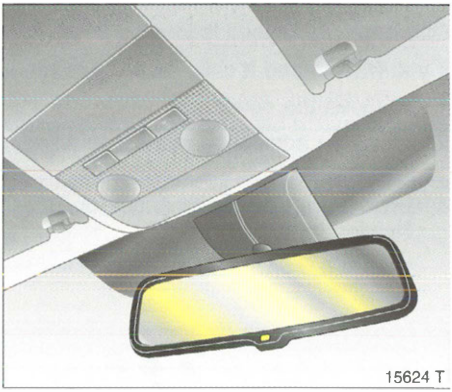
   If unsure, consult your Holden Dealer.


seat back sheetmetal
to Child Restraint
attaching clip
anchor fitting
Front of car
10mm SPACER
ANCHOR FITTING
LOCK WASHER
BOLT 30mm long

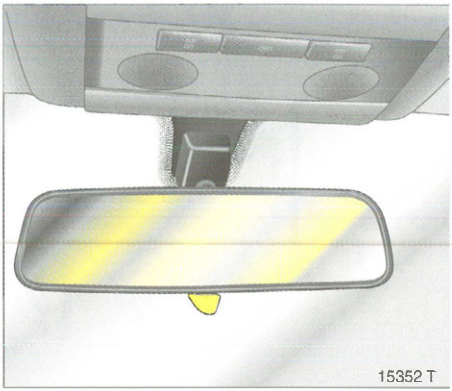
MIRRORS

Interior rear view mirror

Swivel the mirror to adjust the rear view height.



Swivel the lever on the lower edge of the mirror to reduce night glare.



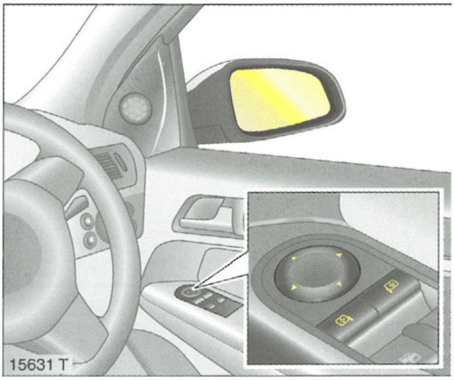
MIRRORS cont.

Electric exterior mirrors

Switch the top rocker switch to either left mirror or right mirror as required.

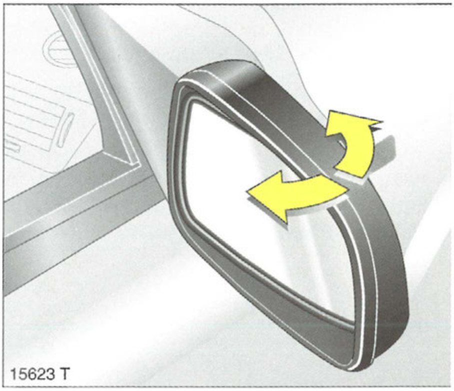
When the ignition is switched on, the larger, four-way knob (illustrated) can then be used to adjust the angle of the mirror.

Note: The passenger-side exterior mirror is convex shaped, making objects appear further away than they actually are.



For the safety of passengers and pedestrians, exterior mirrors are released from their support under an accident-like impact. To realign mirrors, apply slight pressure to the mirror housing.

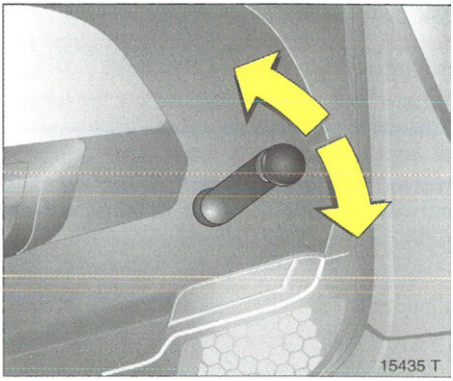
Demisting of the outside electric mirrors is provided when the rear window demister is switched on. Refer to Chapter 1, Dashboard.



WINDOWS

Manual rear windows

Turn the handle on the door to raise or lower the windows.

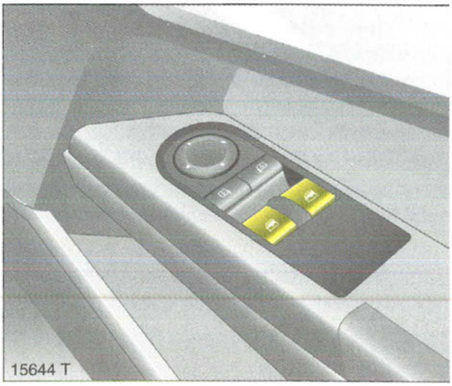


Electric windows

The main rocker switches for the electric windows are located in the driver's door.

Additional switches are located in the passenger door and rear doors (if fitted).

Remove the key from the ignition when leaving the vehicle to avoid risking injury to children (through incorrect use of electric windows, for example).

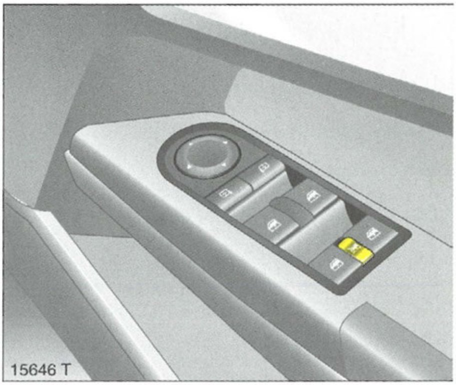


To operate the window in stages

Press the up arrow to close the window and the down arrow to open the window.

Note: The auto up and auto down function only operates on the front windows and can be operated within five minutes of switching the ignition on or off.

WINDOWS cont.

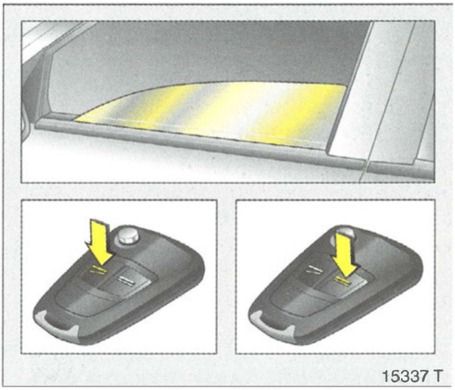


Rear safety switch (if fitted)

The rear safety switch is located in the centre of the switch panel in the driver's door handle. It is used to deactivate the window switches in the rear doors.

Move the switch forward or backward. When the red section is visible, the rear windows cannot be operated with the rear door switches.

When the green section is visible, the rear windows can be operated with the switches on the rear doors.



Closing electric windows - four electric windows only

To close the electrically operated windows from outside the vehicle, hold the = button on the remote control until all windows are fully closed or closed to the desired position.

Opening electric windows from outside - four electric windows only

To open the electrically operated windows from outside the vehicle, hold the ≥ button on the remote control until the windows are opened to the desired position.

Interruption of power supply

Full opening and closing of the windows is disabled after an interruption of the power supply (battery / fuse or low voltage).

To reactivate the windows:

- Close the doors.
- Switch on the ignition.
- Close the window and continue to keep the switch pressed for at least five seconds.

Repeat for each window. If the system is overloaded, the power supply is automatically cut off for a short time.

Safety Function

If the window encounters resistance during closing, the window will stop its progress and immediately open again.

In the event of difficulty in opening the window due to frost, for example, press the relevant window switch several times until the window closes.

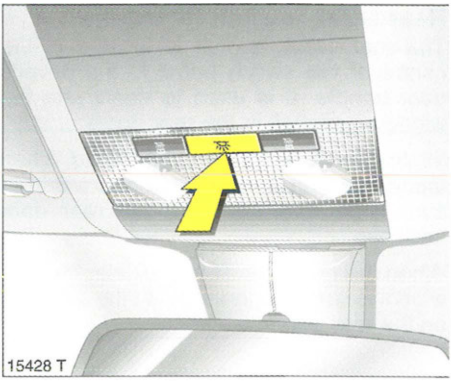
INTERIOR LIGHTS

Front courtesy light

After the doors are closed, the light is switched off after a delay.

Courtesy light when doors are closed:

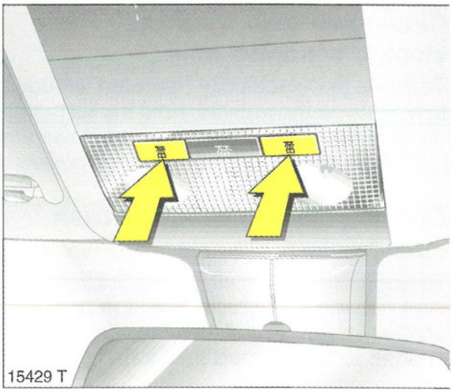
On	Press button ☼.
Off	Press button ☼ again.



Front reading lights

Left and right reading lights are individually operable. With ignition on:

On	Press button 💡.
Off	Press button 💡 again.

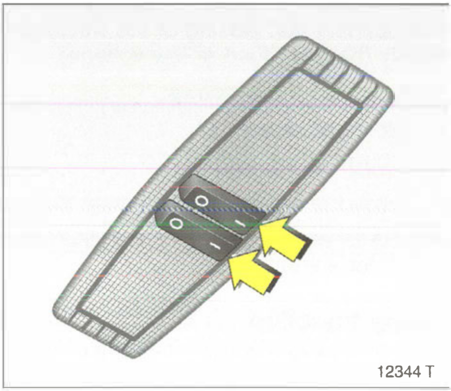


Courtesy lights and rear reading lights (if fitted)

Centre switch position: The rear courtesy light illuminates together with the front one when a door is open.

The rear reading lights on the left and right can be switched on separately. With ignition on:

On	Switch position 1
Off	Switch position 0



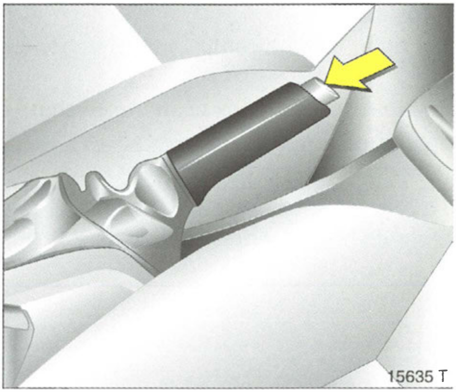
Luggage compartment light

The luggage compartment illuminates when the hatch is opened.

Glovebox light

The glovebox light illuminates when the glovebox is opened and the ignition is on.

PARK BRAKE AND ACCESSORY SOCKETS

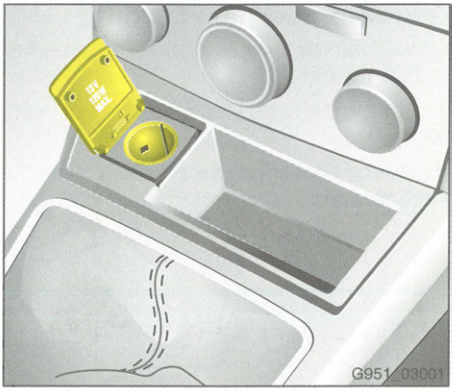


Park brake

To apply the park brake, pull the lever straight up.

To release the park brake, pull the lever slightly upwards, push and hold the release button on the end of the lever and lower the lever all the way down.

Never drive the vehicle with the park brake applied.



Accessory sockets

The vehicle is fitted with an accessory power socket located in the centre console.

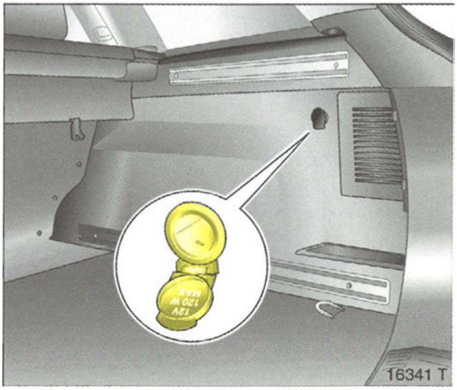
Wagon only: An additional accessory power socket is located in the luggage compartment.

If an accessory is connected and the engine is not running the vehicle's battery may be discharged.

Note: Any accessory device (mobile phone, car fridge, for example) connected to the power socket must not exceed a current draw of 10 amps.

WARNING:

It is dangerous for the driver of the vehicle to attach or remove accessories whilst driving. It may distract the driver's attention, putting the occupants of the vehicle and other road users at risk.



CONVENIENCE FEATURES

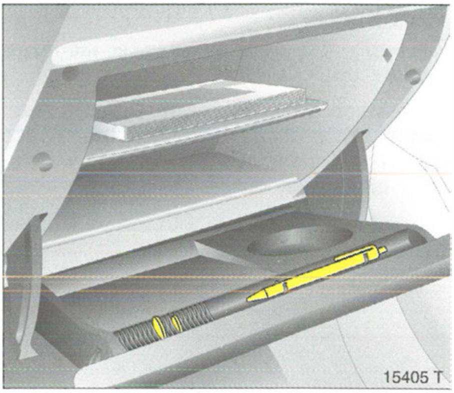
Glovebox

To open the glovebox, pull the handle upwards.

To close the glovebox push the lid shut.

The shelf in the glovebox (if fitted) can be removed by pulling on the front edge.

To refit the shelf, slide into the guide strips and push until it engages in the rear panel.

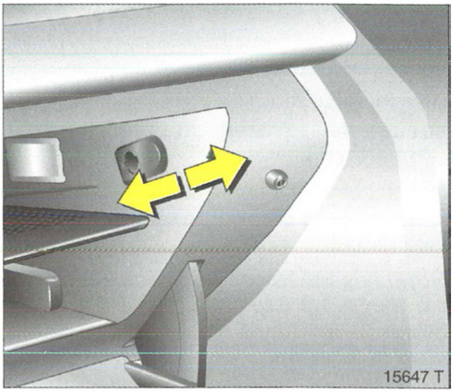


Glovebox cooling (ECC only)

Cooled air can be fed into the glovebox through a nozzle.

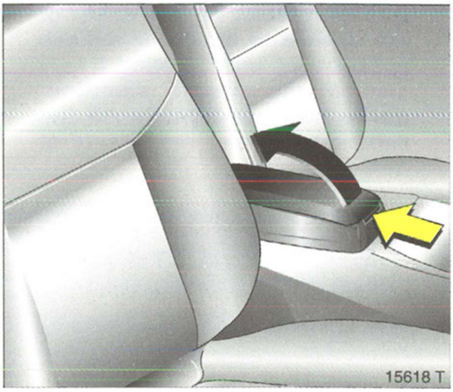
To cool the glovebox, slide the vent backward.

If glovebox cooling is not required, slide the vent forward.



Storage compartment
- front armrest (if fitted)

Press button on the front of the armrest to open the storage compartment.

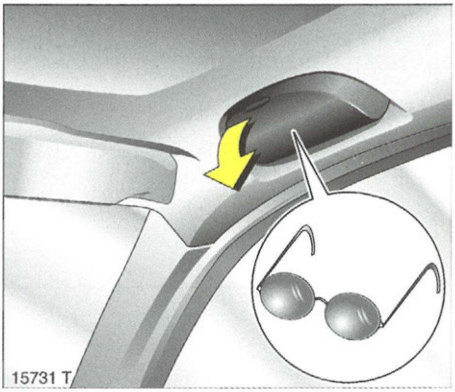


CONVENIENCE FEATURES cont.

Sunglass holder (if fitted)

A storage compartment for glasses is located above the driver's side door. Fold down to open.

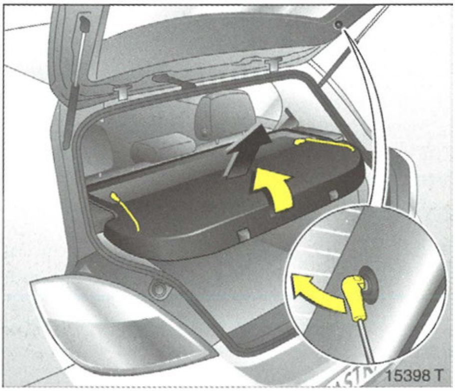
Note: Do not store heavy objects in the sunglass holder.



Luggage compartment cover (hatch)

To remove, unhook the restraining straps from the tailgate.

Pull the cover from the side guides.

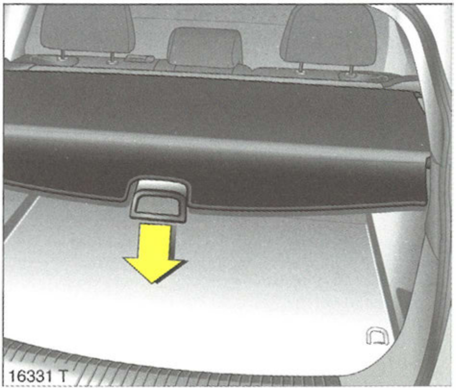


Luggage compartment cover (wagon)

To open:
Press the handle on the luggage compartment cover down. The cover automatically unrolls.

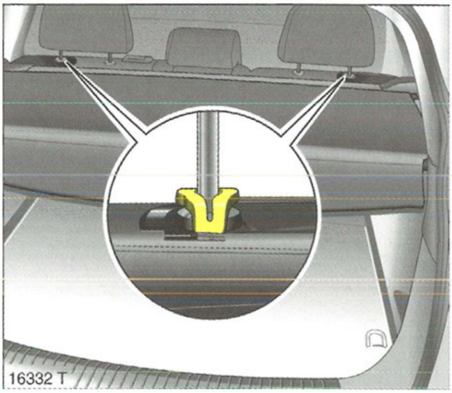
To close:
Press the handle on the luggage compartment cover rearward. The cover automatically engages in its end position.

Note: Do not place any heavy or sharp-edged objects on the cover.



CONVENIENCE FEATURES cont.

To cover the gap between the luggage compartment cover and the rear seat backrests, there is a cover on the cartridge. Attach the two hooks of the cover to the head restraint guide rails.



To remove:

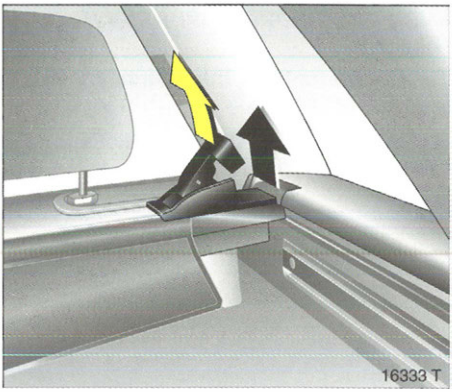
Open the luggage compartment cover and detach the hooks from the head restraints.

Move the release lever on the right-hand side of the luggage compartment upward. Lift the right side of the cover and remove from the brackets.

To install:

Insert the luggage compartment cover in the recess on the left, press the release lever on the right-hand side upward, insert the cover in the recess on the right, engage and press down the lever.

Attach the hooks onto the head restraints.



ELECTRICAL SYSTEM WARNING

WARNING:

Your vehicle is equipped with a highly sophisticated, electronically controlled electrical system called CANBus. This system constantly checks connected components in the vehicle for correct operation.

To carry out its designed functions, CANBus needs to recognise all the electrical equipment in the vehicle, including any aftermarket electrical equipment or accessories (for example, a tow bar harness, LPG kit or an integrated mobile telephone). This requires all of these components to be connected to the electrical system via purpose built interfaces. For Holden approved parts and accessories and some other non-approved parts and accessories, these interfaces are available from your Holden Dealer. Failure to use the correct interfaces may affect CANBus performance or cause damage to your equipment and / or to the vehicle. Such failure may also affect your New Vehicle Warranty to the extent that Holden considers it affects the specifications or quality of your vehicle.

In order to ensure the correct function of CANBus, Holden recommends that Holden approved parts and accessories are fitted by your Holden Dealer. The use of non-approved parts and accessories may affect the correct function of CANBus and an interface for such parts and accessories may not be available from your Holden Dealer. This may also affect your New Vehicle Warranty to the extent that Holden considers that it affects the specifications or quality of your vehicle.

In addition, you may need to visit your Holden Dealer to have CANBus reconfigured with a Tech 2 diagnostic tool to have the system recognise your new equipment. Please contact your Holden Dealer for details.

Provided the combined load of such equipment does not exceed 30 amps, minor equipment can be safely connected via the accessory socket in the front console and the rear compartment (wagon only).

CHAPTER 4

Driving

Page

4-2 Engine starting
4-3 Safety
4-4 Automatic transmission
4-8 Manual transmission
4-9 Anti-lock brake system
4-10 Driving precautions
4-11 Driving precautions – tyres

ENGINE STARTING

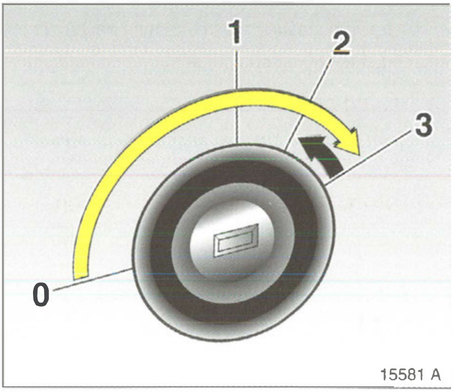
1. Apply the park brake firmly and release only after you have started the engine and are ready to drive off.
2. **Manual:** Press the clutch pedal and move the shift lever to the **N** (neutral) position. Release the clutch pedal.

   Automatic: Move the shift lever to **P** (park) or **N** (neutral) position to start the engine.

   Note: To move the shift lever away from **P** (park), the ignition must be on and the brake pedal pressed.
3. Start the engine, as outlined, with your foot off the accelerator.

   For cold or hot starting, the procedure is the same. Turn the key to the start position (**3**) and release the key when the engine starts.

   Do not press the accelerator pedal prior to, or during, starting. Pressing the accelerator pedal only increases cranking time and does not help the engine start.



If the engine does not start and the Check Engine warning light ( ) on the instrument panel flashes, switch the ignition off for at least 2 seconds before attempting to start the engine again.

If the engine still fails to start, consult a Holden Dealer.

Running-in (for the first 1000 km)

Drive your vehicle at various speeds. Do not use full throttle and never allow the engine to labour.

Make good use of all gears. Press the accelerator pedal a maximum of around three quarters of the available pedal travel.

Unless necessary, try not to brake too hard during the first 200 km or after new brake pads have been fitted.

Switching off the engine

If the engine temperature is very high (for example, after driving in hilly areas) allow the engine to idle for approximately 2 minutes (in order to prevent heat accumulation) before switching off the engine.

If the engine temperature is still high, the cooling fan may remain on for several minutes after turning off the ignition.

SAFETY

Before entering the vehicle

- Check windows, mirrors and lights are clean.
- Check the tyres are not flat.

Before driving off

1. Ensure all doors are secured.
2. Position your seat for comfortable driving.
3. Adjust rear vision mirrors.
4. Fasten seat belts.
5. Check the warning indicators illuminate briefly when you turn the key to start the engine. Refer to Chapter 1, Dashboard.

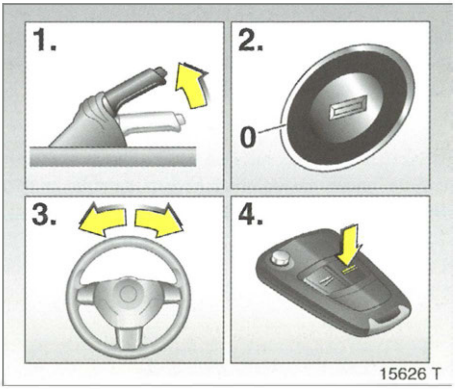
   Automatic only: Have the ignition on and press the brake pedal before moving the shift lever away from the **P** position.

Parking

1. Apply the park brake.

- **Automatic transmission:** Place in **P** (park).
- **Manual transmission:** Place in first or reverse gear.

2. Turn the ignition key to lock (**0**) and remove the key.
3. Lock steering wheel.
4. Lock all doors and set the deadlock, if appropriate. Refer to Chapter 2, Locks.



WARNING:

- **Be careful where you park or drive. As with any vehicle, do not park or operate this vehicle in areas where combustible materials such as dry grass or leaves can come in contact with a hot exhaust system.**
- **Never leave the engine running in an enclosed space, such as a closed garage or underground car park.**

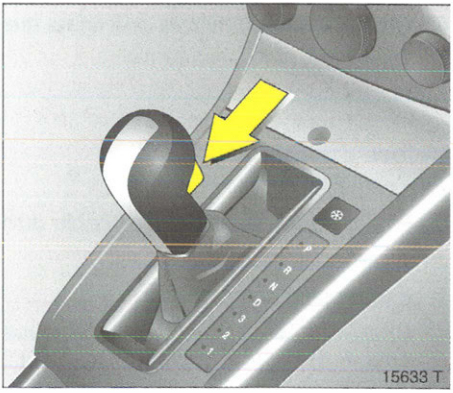
AUTOMATIC TRANSMISSION *(if fitted)*

The shift lever can only be moved from **P** when the ignition is switched on and the foot brake is pressed (shift lever lock).

To engage **P** or **R**, press the button on the shift lever.

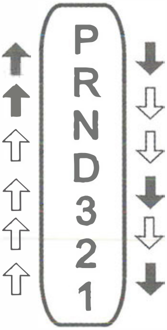
The engine can only be started with the shift lever in position **P** or **N**. When position **N** is selected, press the foot brake or engage the handbrake before starting.

Do not accelerate during the selection procedure.



Push in the button when shifting into any position indicated by the black arrow (illustrated).

Move the shift lever (without pushing in the button) into any position marked by the outline arrow (illustrated).



After starting the engine and before shifting into a gear, press the brake pedal. If the brakes are released when a gear is engaged, the vehicle will "creep". Do not actuate the accelerator and brake pedals simultaneously.

Disregarding these instructions may lead to injuries or endanger life.

D can almost always be used for driving.

If the accelerator pedal is pressed gently and evenly, the transmission will shift into the fuel-saving gears at an early stage. The drive range needs be changed manually only in exceptional cases. Select **3**, **2** and **1** only when automatic shifting up is to be avoided or if additional use is to be made of the engine braking effect.

Select **D** again as soon as driving conditions permit.

AUTOMATIC TRANSMISSION (if fitted) cont.

Transmission display

The selected gear position is displayed in the transmission display.

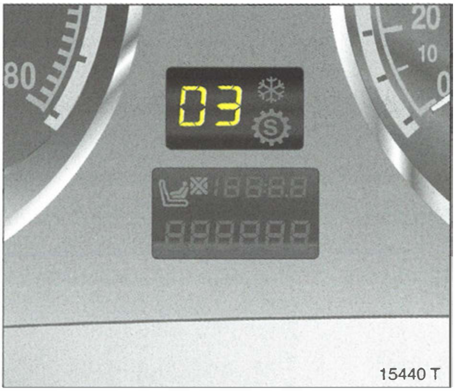
P Park position.

R Reverse gear.

N Neutral or idling position.

D Automatic mode.

1 - **3** Current gear.

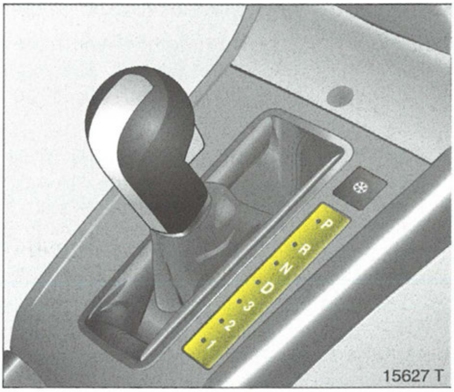


Selector lever in P, R and N

P Park position. Front wheels are blocked. Use only with vehicle stationary and the handbrake applied. **'P'** appears in the transmission display.

R Reverse. Engage only with vehicle stationary. **'R'** appears in transmission display.

N Neutral position. **'N'** appears in transmission display.



Drive ranges D, 3, 2, 1

D Drive position for normal driving conditions in first to fourth gear.

3, **2**, **1** Transmission does not shift above the selected gear.

Press the button on the shift lever to engage **3** or **1**.

The gear selector position is indicated in the transmission display. When in **D**, the current gear is also displayed.

AUTOMATIC TRANSMISSION (if fitted) cont.

P (park)	This gear stops the front wheels from turning and therefore should be selected (together with the park brake) when leaving the vehicle. Never select **P** until your vehicle is fully stopped. Ensure the brake pedal is pressed and the ignition on before the shift lever can be moved away from the **P** position.
R (reverse)	Never select **R** until your vehicle is fully stopped. Reversing lights operate when **R** is selected and the ignition is on. After reversing, make sure the vehicle has fully stopped before selecting a forward gear.
N (neutral)	This gear is the out-of-gear position. You can restart a stalled engine while the vehicle is still moving or stopped.
D (fourth)	This gear is the most effective position for normal or freeway driving. This position gives maximum fuel efficiency, as the transmission can choose the appropriate gear (**1** through to **4**) for the load and driving conditions.
3 (third)	This position is most effective when overtaking and gives responsive acceleration and deceleration, especially in hilly areas. This position allows the transmission to shift between first, second and third gear as conditions require. **D** (fourth gear) is excluded.
2 (second)	Use this position when going down a steep gradient to avoid excessive use of the brakes. The transmission will shift between first and second gear as required. Move the lever back into the **D** position to return to normal driving.
1 (first)	Use this position when strong braking effect is needed down a very steep gradient. Remember to move the shift lever back to the **D** position so that the transmission can shift into higher gears. If first gear is selected at too high a speed, the transmission remains in second gear until you have slowed down sufficiently.

Note:

- If selecting a lower gear than **D** while driving, ensure vehicle speed is sufficiently reduced beforehand.
- Do not press the accelerator pedal in either **1**, **2**, **3**, **D** or **R** when the brakes are applied. This overheats the transmission.
- Do not use the accelerator pedal to hold the vehicle on a slope. Use the brakes.
- Do not coast the vehicle in **N**. This lessens your control and negates engine braking power.
- Refer to Chapter 7, Weekly checks when checking the automatic transmission fluid level.

  Note: The engine will not start unless the selector is in **P** or **N**.
- **Neutral Idle Control**: This feature is designed to reduce fuel consumption when idling and stationary.

  Neutral idle control electronically switches the transmission into neutral (without you having to move the shift lever) when the engine is idling in a forward gear (**1**, **2**, **3**, **D**) and the brake pedal pressed. When the brake pedal is released (to move from stationary) the transmission electronically switches back to the selected position of the shift lever.

AUTOMATIC TRANSMISSION (if fitted) cont.

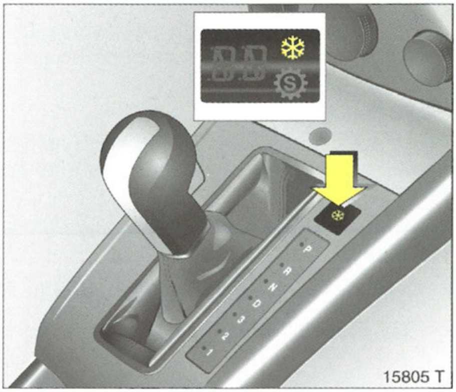
Winter program

In the event of starting-off difficulties on slippery roads, press button ❄. This button can be operated in **P**, **R**, **N**, **D** and **3**. When activated, ❄ illuminates in the transmission display and the vehicle starts in third gear.

The winter program is switched off by:

1. Pressing button ❄ again.
2. Shifting to **2** or **1** manually.
3. Turning off the ignition.

In order to prevent damage, the winter program switches off automatically at high transmission temperatures.



Sport mode

Sport mode is used to change the shift point of the automatic transmission while driving.

Shifting times are reduced and gearshifting occurs at higher engine speeds (unless cruise control is on).

To activate Sport mode

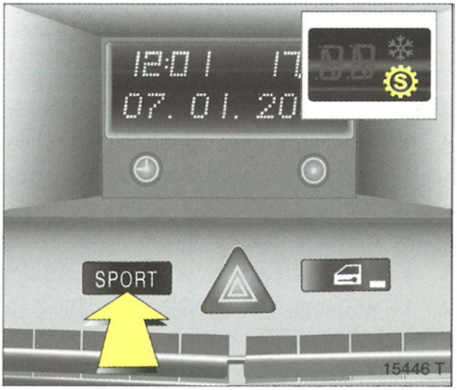
Press the **SPORT** button. The LED in the button illuminates. The control indicator Ⓢ also illuminates.

Sport mode cannot be activated if the Winter program ❄ is active.

To deactivate Sport mode

Press the **SPORT** button again or switch off the ignition. The LED in the button goes out.

Sport mode is deactivated when the Winter program ❄ is activated.



MANUAL TRANSMISSION

This system has five forward gears and one reverse gear. The shift pattern is located on the top of the gear shift lever.

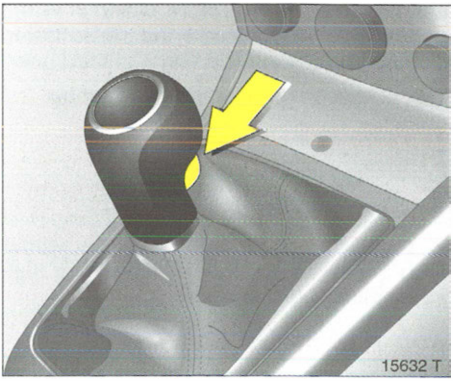
Note: When selecting fifth gear you must move the shift lever sideways against light spring pressure in order to select the gear.

Reverse gear

To select reverse gear, lift the knob on the gear shift lever and move the lever into the reverse position.

If the gear does not engage easily try the following:

- Release and press the clutch pedal.
- Try moving to another gear.



Operating notes

- When shifting from one gear to another, be sure to press the clutch pedal fully to avoid clashing and possible chipping of the transmission gears.
- Never attempt to select reverse gear until the vehicle has completely stopped. A slight pause (a few seconds) between pressing the clutch pedal and selecting reverse gear is desirable to allow all the rotating components to stop and avoid gear clashing. Whenever reverse gear is selected with the ignition on, the reversing lights illuminate.
- Move the shift lever with a moderate effort to allow time for the transmission synchronisers to work properly.
- Driving with your foot resting on the clutch pedal causes substantial clutch wear.
- When stopped on an incline, do not hold the vehicle by slipping the clutch. Use the brakes.
- Shift into a lower gear before starting a descent.
- To maintain safe speeds on a steep downgrade, shift down to the next lowest gear to reduce brake wear and engine overheating.
- Do not overspeed the engine when shifting down to the next lowest gear.

ANTI-LOCK BRAKE SYSTEM

The Anti-lock Brake System (ABS) continuously monitors the vehicle's brake system and prevents the wheels from locking, irrespective of the road conditions and tyre grip. It regulates the braking effect as soon as the wheels show a tendency to lock. You can still steer the vehicle even in the event of panic braking, for instance on bends or when swerving to avoid an obstacle.

Note: Do not let this special safety feature tempt you into taking risks when driving. Traffic safety is achieved only by adopting a responsible driving style.

In an emergency braking situation keep full force on the brake pedal without pumping it. Pumping the brake pedal can reduce brake efficiency when ABS is controlling the braking.

The braking effect is regulated every millisecond by the ABS.

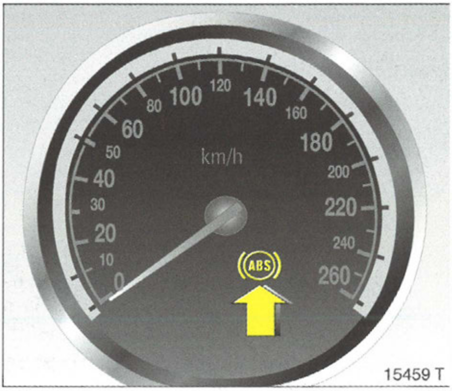
When your vehicle is in a critical braking condition ABS is noticeable through pulsing of the brake pedal and the noise of the regulation process.

Shortly after ABS operation, the system performs a self check which may be audible.

The ABS warning light illuminates for a few seconds when the ignition is switched on and when performing a self check.

If it does not extinguish, or if it illuminates when driving, there is a defect in the ABS.

The vehicle's brake system remains operational but without ABS assistance. Consult your Holden Dealer as soon as possible.



DRIVING PRECAUTIONS

Brakes

- Power-assisted brakes use vacuum from the engine when it is running. Never let the vehicle run down steep grades without the engine running.
- Never coast with the engine switched off.
- Driving through water may affect brake performance. Applying the brakes lightly will indicate whether they have been affected. To dry them quickly, lightly apply the brakes while maintaining a slow forward speed (while ensuring a clear distance ahead). Do this until brake performance returns to normal.
- Do not obstruct brake pedals with ill-fitting floor mats or any other material under the pedal.
- Position your seat so that you can push the brake pedal properly under all braking conditions.

Power steering

You can still steer the vehicle if the power steering is rendered ineffective. However, due to the much greater effort required to steer, it is recommended that you have the problem fixed promptly.

Loose articles

Do not leave loose articles or luggage in the passenger compartment. Whenever possible, loads stowed in the luggage compartment should be firmly secured. Refer to Chapter 10, Tow and load.

WARNING:

Gas cylinders can leak, creating a risk of fire or explosion. As a precaution, ensure adequate ventilation when carrying gas cylinders. They must be restrained from rolling around and, where possible, placed in the load area of the vehicle. If gas cylinders are frequently transported use a purpose-built carrying compartment. Transportation of gas cylinders is regulated by legislation in some states.

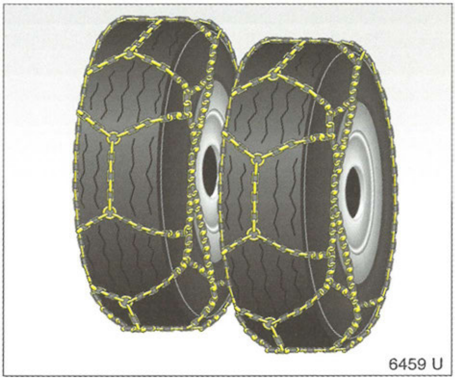
DRIVING PRECAUTIONS – TYRES

Tyre traction

A decrease in driving, cornering and braking traction occurs when water, snow, ice, gravel or other materials are on the road surface. Driving practices and vehicle speed should be adjusted to the road conditions.

Snow chains

- Snow chains are only fitted on the front (driving) wheels of front wheel drive vehicles.
- Chains must be fitted on the tyre evenly.
- Use only fine-linked chains, not protruding more than 15 mm on the tyre tread and inside of the tyre (including the chain lock).
- Depending on design, large hub caps may come into contact with parts of the chains. In such cases, remove the hub caps.



WARNING:

Tyre chains can only be used at speeds up to 50 km/h and, when travelling on roads that are free of snow they should only be used for brief periods, since they are subject to rapid wear on hard roads and may snap.

CHAPTER 5

Fuel

Page

5-2 Fuel
5-3 Petrol filling
5-5 Emission control
5-6 Reducing fuel consumption

FUEL

EXHAUST WARNING - CARBON MONOXIDE POISONING

- **Exhaust gases can contain carbon monoxide, a dangerous gas, which can cause unconsciousness and even death to both humans and animals.**
- **If your vehicle's exhaust system is faulty, you could inhale the gases.**
- **To protect against exhaust gases entering the vehicle, the exhaust system and body should be inspected:**
  - **each time the vehicle is serviced,**
  - **whenever a change is noticed in the sound of the exhaust system,**
  - **whenever the exhaust system, underbody or rear of the vehicle is damaged.**
- **Take the vehicle to your Holden Dealer if you think your vehicle needs inspecting for any of the above reasons.**
- **DO NOT SIT (OR LEAVE CHILDREN OR PETS) IN A PARKED VEHICLE FOR ANY EXTENDED PERIOD OF TIME WITH THE ENGINE RUNNING. DO NOT RUN THE ENGINE IN AN ENCLOSED AREA (SUCH AS THE GARAGE) ANY LONGER THAN IS NEEDED TO MOVE THE VEHICLE.**
- **Driving with the hatch open is not recommended. If you must travel with the hatch open, close all windows, ensure that the heater controls are set to outside (rather than recirculate) with air directed to the face and the fan on the highest speed. Do not exceed 50 km/h.**

LPG conversion

Your vehicle was not designed to be converted to LPG. Holden does not provide LPG conversion kits for these vehicles. Please refer to the warranty section in Chapter 9, Customer assistance. Your New Vehicle warranty may be invalidated to the extent that any LPG alterations affect the specifications of your vehicle.

Use of Fuel containing Ethanol

WARNING:

- **When purchasing such fuel, we recommend that your vehicle be operated on fuel containing no more than 10% ethanol. Purchasing your fuel from a reputable fuel retailer may reduce the risk of purchasing fuel with more than 10% ethanol or fuel which contains abnormal fuel properties.**
- **Under no circumstances should you use fuel containing more than 10% ethanol. Use of such fuels may result in engine malfunction, starting and operating difficulties, and materials degradation. These adverse effects could result in permanent damage to your vehicle and personal injury.**
- **It is also important to note that when ethanol blends are used, fuel consumption can be expected to increase due to the lower energy content of ethanol.**

PETROL FILLING

WARNING:

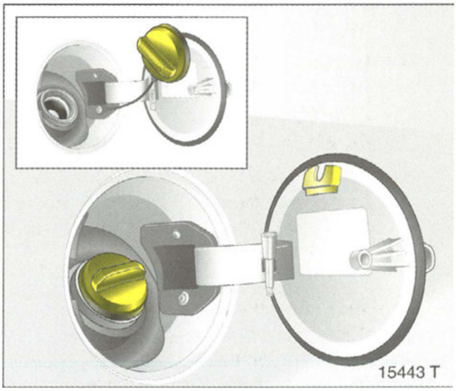
- **Petrol is extremely flammable and highly explosive.**
- **Always turn off the engine and any mobile phones when refuelling.**
- **Do not smoke or allow open flames or sparks near the vehicle when refuelling.**
- **If petrol fumes are smelled while driving, the cause should be found and corrected without delay by a Holden Dealer.**

Refuelling

The petrol filler is located on the driver's side of the vehicle.

The petrol flap unlocks when the doors are unlocked and locks when the doors are locked.

1. Remove the filler cap by turning the cap anticlockwise.
2. Hang the filler cap on the petrol flap while filling (as illustrated).
3. After refilling, tighten the cap firmly clockwise and close the petrol flap.



Overfilling

Overfilling of the petrol tank can affect the evaporative emission control system and can also result in a smell of petrol inside the vehicle, therefore:

- Always fill petrol tanks at the intermediate or fast fill rate. Do not add any more petrol after the petrol filler first clicks off (or petrol blows back) - as this allows room for the petrol to expand inside the tank.
- You can 'trickle fill' petrol tanks when vehicles are to be driven for more than 50 km straight after the tank is filled. However, this is not recommended on hot days (over 30°C).
- Wipe off any overflowing petrol immediately from the vehicle and close the fuel opening. Spray or splash with water.

PETROL FILLING cont.

Petrol filler nozzle restrictor

To help the environment, your vehicle has been designed to operate on unleaded petrol. A petrol nozzle restrictor is fitted to ensure that only unleaded petrol is used. The leaded petrol nozzle is wider and therefore cannot open the flap. This allows the thinner, unleaded petrol nozzle to open the flap, so that petrol can be added to the tank.

WARNING:

The use of any fuel other than the fuel specified, may cause serious damage to your vehicle and may void your New Vehicle warranty. Only use good quality clean fuel.

Petrol requirements Research Octane Number (RON)

Use clean, unleaded petrol of at least 91 octane rating. High octane (premium unleaded) can be used and will provide slight improvement in engine power and torque.

EMISSION CONTROL

Your vehicle is fitted with emission control systems which are designed to reduce the amount of hydrocarbons (HC), carbon monoxide (CO), and oxides of nitrogen (NOx) that are emitted from the engine and fuel system into the atmosphere.

Hydrocarbons and oxides of nitrogen, when exposed to sunlight under certain conditions, contribute to photochemical smog. In addition, carbon monoxide is toxic when it becomes highly concentrated in the air.

Owner responsibility

Vehicles sold and serviced within Australia have been designed to comply with Australian Design Rules and State Regulation emission requirements.

The engine, engine control system and exhaust system of your vehicle must not be modified in any way. Any change to the Manufacturer's design may increase the emissions or otherwise defeat the intent of the regulations.

WARNING:

Any person who removes, modifies or hinders any part of the emission control system fitted to a vehicle will be contravening Australian Design Rules, refer A.D.R. 28/01 (External Noise for Motor Vehicles) and A.D.R. 79/00 (Emission Control for Light Vehicles). It is also illegal to drive a vehicle modified in this way.

Maintenance requirements

To ensure continuing compliance with the regulations, you must maintain the vehicle emission control system as per the vehicle service manual, at the frequency shown in the Maintenance schedule in Chapter 12, Servicing.

Necessary servicing should be performed by an authorised Holden Dealer who has the specialised servicing equipment and trained personnel available to ensure that the adjustments and services specified are carried out.

REDUCING FUEL CONSUMPTION

Engine

Maintain the engine in peak mechanical condition by having it serviced regularly in accordance with the Maintenance Schedule in Chapter 12, Servicing. This ensures that items such as the spark plugs and the air cleaner are maintained for minimum fuel usage and peak engine performance.

Tyre pressure

Maintain the recommended tyre pressures. Inadequate tyre pressure costs money in two ways: higher fuel consumption and increased tyre wear. Refer to Chapter 7, Weekly checks.

Wheel alignment

Maintain correct front wheel alignment. Incorrect alignment causes drag, which increases fuel consumption.

Warm ups and idling

Avoid long engine warm ups. They are unnecessary and waste fuel. An engine reaches its efficient operating temperature most effectively when driving.

Also avoid long engine idling. If you have to wait for more than a couple of minutes, it is worthwhile to switch off the engine and conserve fuel. Three minutes of idling corresponds to approximately 1 km of driving.

Accelerating, driving and braking

Accelerate gently, avoiding rapid starts. Sudden bursts of speed, full throttle acceleration and hard braking are certain fuel wasters. Drive the vehicle at steady speeds where possible (after run-in). It is desirable to reach top gear as soon as possible, but under no circumstances should you force the engine to labour in top gear.

Riding the brake

Resting your foot on the brake pedal when you do not intend to brake (also called riding the brake) can cause the brakes to overheat. This can wear out the brake pads faster, damage the brake system and waste fuel.

Air conditioning

Turn off the air conditioning when not required to reduce fuel consumption, except for system lubrication purposes. Refer to Chapter 1, Dashboard.

Roof racks

Roof racks can increase fuel consumption by 1 litre per 100 km or more due to increased air resistance. Therefore, they should be removed when not in use.

Loading

Unnecessary weight increases fuel consumption especially when accelerating. In city traffic, a load of 100 kg can increase fuel consumption by 0.5 litre per 100 km.

Notes

CHAPTER 6

Emergencies

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6-2 Accidents
  Being involved
  Being a witness
  Medical assistance
6-4 Flat tyre
6-8 Towing a disabled vehicle
6-11 Engine overheating
6-13 Flat battery
6-15 Airbags
6-20 Bulb replacement
6-32 Fuses

Your new vehicle is covered for 3 years by 24 hour Roadside Assistance. Refer to Chapter 9.

ACCIDENTS

All motorists are advised to learn what to do at the scene of an accident, particularly where persons are injured. Injured people can choke to death if their air passages are not cleared. They can bleed to death unless the bleeding is stopped. They may require mouth-to-mouth resuscitation or may have to be moved, even though badly injured. It is important that you understand how to avoid further damaging an injured neck or back or other broken limbs.

In all cases, ensure safety for the rescuers, victims and bystanders. The following notes may help.

Part 1. Being involved

If you are involved in an accident you are advised to do as follows:

- Stop immediately and remember to turn off the engine and apply the park brake.
- Remember that time is vital. Remain calm and alert. Think quickly and clearly.
- Give all possible assistance to all injured persons (see Part 3. Medical assistance).
- Send for police and ambulance if anyone has been injured. Give information as accurately as possible. Give the exact location, the number of injured people and a brief report on the overall situation.
- Warn all other traffic approaching the scene. Turn off all ignition switches. Stop any smoking and mobile phone use near spilt petrol. In darkness, try and light up the area to warn others – use hazard lights, a torch and headlights. Do not use flammable items.
- Clear the road of accident debris.
- Exchange your name, address, vehicle registration number and the vehicle owner's name and address with the other parties involved in the accident.
- If damage to property only has occurred, report the facts to the owner of the damaged property, to his or her representative, to any police present at the scene or to the nearest Police Station.
- Try to note all important facts because such details may be important if needed later.

Part 2. Being a witness

If you witness a road accident or it becomes your task to stop and help at the scene of an accident:

- Keep in mind that an observant witness can prove most helpful. Some day you yourself might be very glad of help from a witness.
- Do not stop at the scene of an accident just to be a spectator.
- Where other people are already in attendance and giving assistance, stop only if you can contribute.
- Give what assistance you can to any injured persons. (See Part 3. Medical assistance).

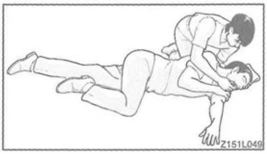
ACCIDENTS cont.

Part 3. Medical assistance

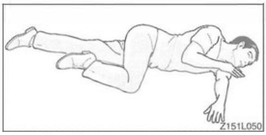
This information is basic first aid information which is intended as a guide only and may not be applicable in all situations. You should always defer to a trained medical officer or other person with first aid knowledge. Protective equipment, such as rubber gloves are recommended.

Keep calm and think clearly. Your experience may not be much but do your best.

- Look after the unconscious person first. Check airways, breathing and circulation.
- If the person is not breathing, check if air passages are clear. That is, nose and mouth. Use your fingers to clear air passages if necessary. If the airway is clear then mouth-to-mouth resuscitation may be needed at once.
- Be very careful when moving an injured person. It is best not to move the injured at all, except if in danger, as serious and permanent damage can be done to an injured neck or back if not supported during movement. AVOID BENDING OR TWISTING A NECK OR BACK. KEEP THEM STRAIGHT. All injured limbs require support when an injured person has to be moved.
- Unconscious people can choke. To help avoid this:
  - Carefully turn the person to one side.
  - Tilt their head back slightly.
  - Wipe out the mouth with your finger to remove blood, vomit, broken teeth or dentures.



- Provided it is not dangerous to do so due to injuries, an unconscious person will do best in the following position:
  - Lay the person on one side.
  - Bend the uppermost knee until the thigh is at a right angle to the body.
  - Bend the uppermost shoulder and elbow so that the hand lies near the face.
  - Gently pull the underneath arm so that it rests straight on the ground free of any body weight.



- Try to stop bleeding by applying direct pressure, using your hand, or by pressing torn flesh together. Use any clean cloth available. Fold cloths to make pads. If necessary, press one pad on top of another. Keep pressure around edges of a wound but never use a tourniquet.
- Shock may be treated by reassurance, relieving pain, controlling any bleeding and keeping the injured person warm but not hot. It is best not to give any fluids and never alcohol.
- If the injured person is in danger and has to be moved, try and have three or four people help. Concentrate on not bending or twisting the neck, spine and injured limbs. Keeping the neck and spine straight is most important.

FLAT TYRE

If using a jack other than the one supplied with the vehicle, refer to Chapter 7, Weekly checks, for lifting positions.

WARNING:

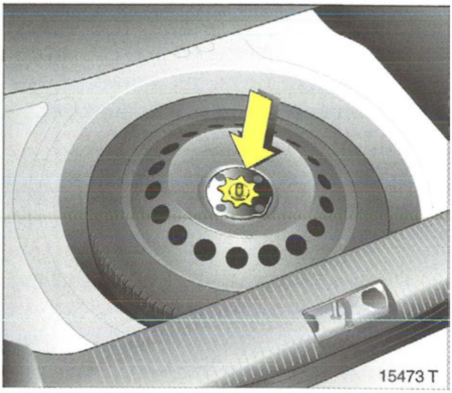
- **Use the jack only for lifting the vehicle when changing wheels.**
- **Never get beneath the vehicle when it is only supported by the jack.**
- **Do not start or run the engine while the vehicle is only supported by the jack.**
- **All passengers should be out of the vehicle when it is being jacked.**
- **Use the jack only at the designated lifting points. Use in other locations could damage the vehicle.**
- **The vehicle should only be jacked on hard, level surfaces.**
- **If your vehicle is fitted with alloy wheels and supplied with a steel spare wheel, the flat tyre on the alloy wheel should be repaired and refitted to the vehicle as soon as possible.**

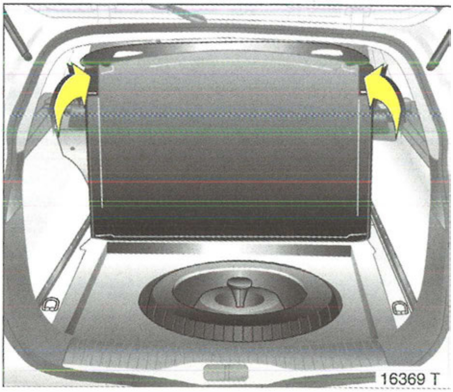
1. Park on a level, firm and non-slippery surface, ensuring the wheels are pointing straight ahead and the parking brake is set firmly.
2. Switch on hazard warning flashers.
3. Remove the ignition key (to lock the steering) and place manual transmission in **R** (reverse) or automatic transmissions in **P** (park).
4. Remove the jack and tools.

   The spare wheel, jack and tools are stored under the luggage compartment floor.
5. **Hatch:** Hold the floor in place using the recesses at the side.

   Wagon: Raise the rear lashing eyes (if fitted) and lift the floor cover to a vertical position until it is held in place by the headlining.
6. Remove the spare wheel (secured by plastic wing nut), jack and vehicle tools, which are stowed underneath the spare wheel.

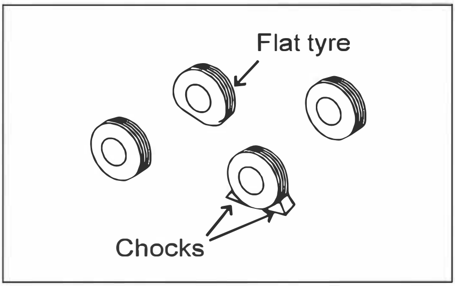
   Note: There is a spacer fitted over the wing nut on Wagons.





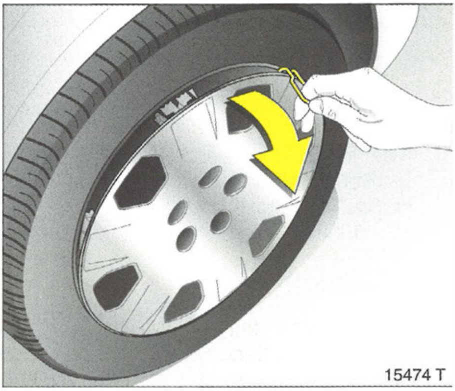
FLAT TYRE cont.

7. Chock the wheel diagonally opposite the flat tyre by placing wedge blocks, or any available blocks of wood or rocks behind and in front of the tyre.



STEEL WHEELS:

For vehicles with wheel covers, remove the cover by hand, using the tool in the vehicle tool kit.

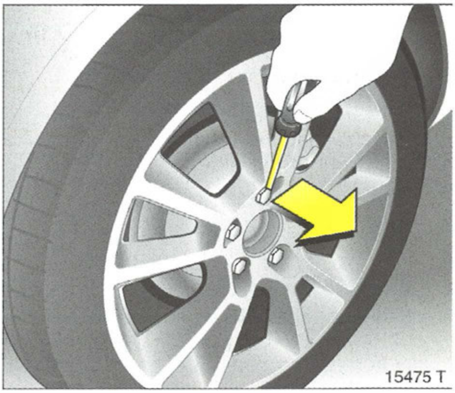


ALLOY WHEELS:

Use the screwdriver to remove the wheel bolt plastic caps.

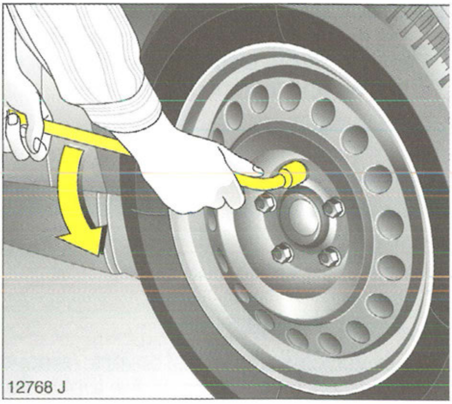
For vehicles with centre caps, use a screwdriver (provided in the tool kit) to remove the cap using the following method.

- Position the screwdriver in the recess at the side of the hub cap and lever the cap partly off.
- Place the screwdriver in the opposite bolt hole and lever the cap fully off the wheel.



FLAT TYRE cont.

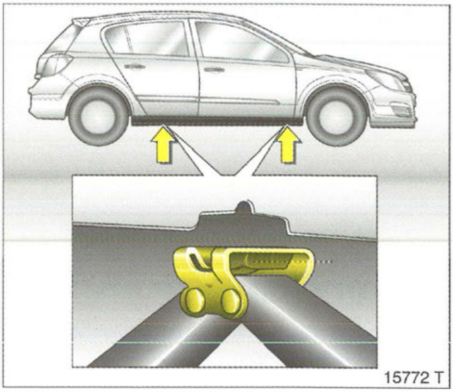
8. Loosen (but do not remove) the wheel bolts by turning the wheel wrench anticlockwise.



9. The location of each jacking point is indicated by a mark on the bottom edge of the vehicle.

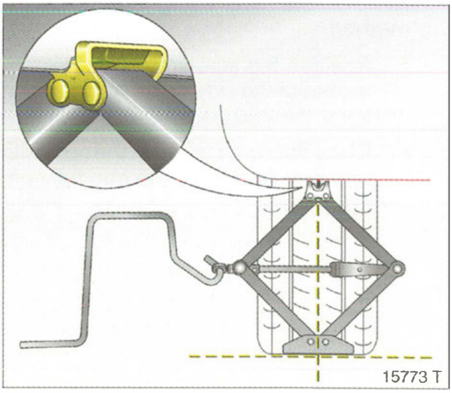
WARNING:

Failure to position the jack as described above could result in serious personal injury or vehicle damage caused by the vehicle slipping off the jack.



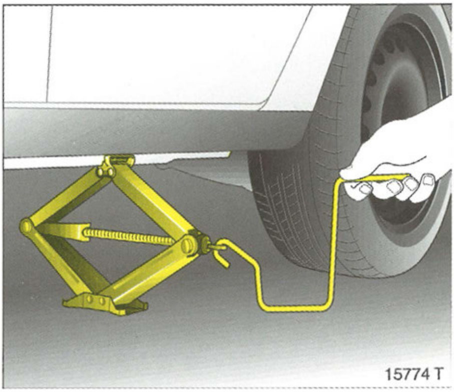
10. Position the jack in the recess that is nearest the flat tyre.

    Ensure that the jack head fits into the jack points on the vehicle's underbody and that the jack base is on the ground directly below the jacking point.

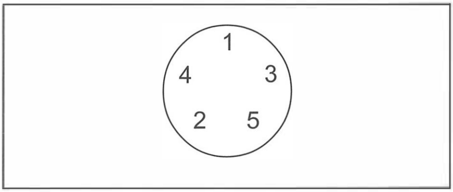


FLAT TYRE cont.

11. Raise the vehicle by turning the crank handle until the tyre is clear of the ground.
12. Remove the wheel bolts and place together in a clean, dry spot to avoid getting dirt on the threads.
13. Remove the wheel from the vehicle and change it over with the spare.
14. Replace the wheel bolts and tighten by hand.
15. With the wheel wrench, lightly tighten in a crisscross sequence.
16. Lower the vehicle completely and remove the jack.



17. Fully tighten the wheel bolts with the wheel wrench in a crisscross sequence, (illustrated).



18. Replace the wheel trim:

    STEEL WHEELS:

    Wheel covers have a valve symbol on the rear of the cover, which should point towards the valve itself. Line the hole for the valve with the valve and press on the wheel trim.

    ALLOY WHEELS:

    Replace the individual wheel stud caps and press on the centre cover.
19. Install the jacking point cover (if fitted) to the body by hand.
20. Stow away the wheel, tools, and jack.
21. Have the flat tyre repaired as soon as possible.

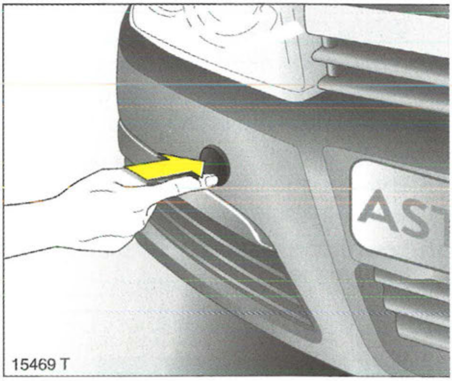
WARNING:

- **As soon as possible after changing a wheel, you should have the wheel bolts tightened with a torque wrench to 110 Newton metre and have the new wheel balanced on the vehicle.**
- **Wheel bolts should be tightened evenly to the correct torque in a crisscross pattern whilst the vehicle in on the ground. Wheel bolts which have not been tightened properly could eventually allow the wheel to come off while the vehicle is moving.**

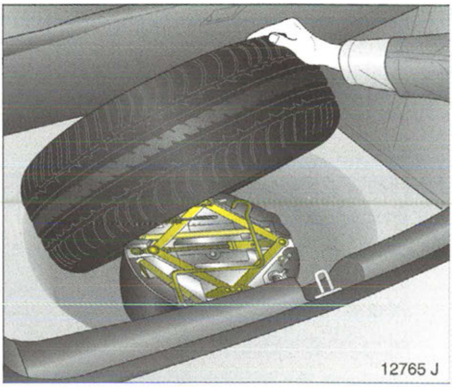
TOWING A DISABLED VEHICLE

Use proper lifting or towing equipment to prevent damage during any towing operation of the vehicle. Ensure you follow state and local laws. In an emergency, you may tow your vehicle on all four wheels in the following manner:

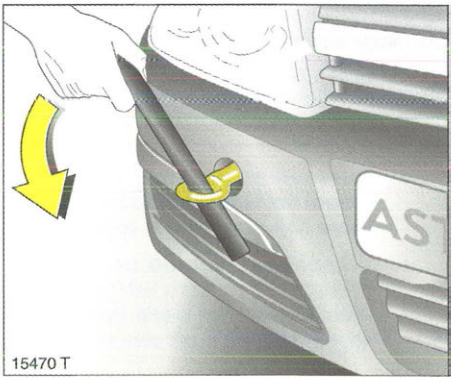
1. The towing eye hole is located behind a cover, at the front of the vehicle on the driver's side. To access the towing eye hole, press the cover and pull it downwards.



Note: The towing eye itself is located in the tool compartment underneath the spare wheel in the luggage compartment.



2. Screw in the towing eye anticlockwise as far as it will go. Use the wheel bolt wrench to tighten the eye.
3. Attach a tow rope to the eye. Do not attach to the bumpers, brackets or any other part of the vehicle.
4. Place transmission in **N** (neutral) and release the park brake.
5. Switch on the ignition. This frees the steering lock and allows the correct operation of windscreen wipers, horn and turn signals.
6. To prevent damage to the vehicle, drive slowly and avoid jerky movements during towing operations.



TOWING A DISABLED VEHICLE cont.

7. Remember power assist for brakes and power steering are not available when the engine is off. Consequently, more effort will be required to brake and steer.
8. Close the windows and stop entry of air by moving heating and ventilation controls to the recirculate position. This prevents the entry of exhaust fumes from the towing vehicle into the passenger compartment of your vehicle.
9. If your vehicle is fitted with automatic transmission, only tow facing forwards and do not tow for more than 100 km or at over 80 km/h.
10. If the transmission is defective, or if you must exceed the above speed or distance, the front of the vehicle must be raised.
11. Only the driver should be in a towed vehicle.

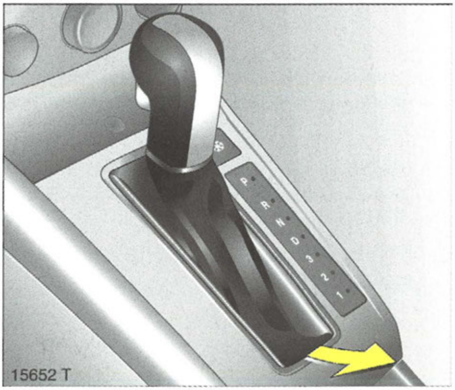
Automatic transmission

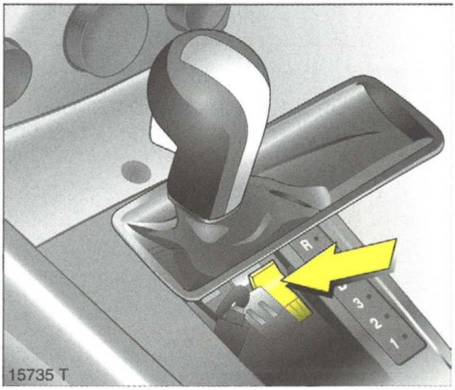
For safety, the transmission has an electric park lock. The key must be in the ignition (in the on position) before the shift lever can be moved away from the **P** (park) position.

However, the shift lever cannot be moved as required if the vehicle's battery is flat.

To move the shift lever when towing in this circumstance:

1. Apply the park brake.
2. Disengage the cover from the console below the park brake lever.
3. Disengage the shift lever trim from the console and fold upwards.
4. Push the catch forward and move the shift lever handle out of the **P** (park) position, as illustrated.
5. Install the shift lever trim onto the centre console.
6. Install the cover on the console.





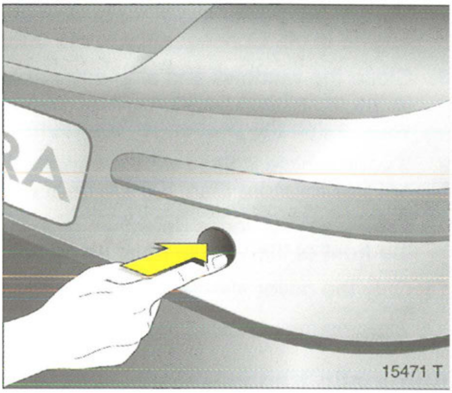
TOWING A DISABLED VEHICLE cont.

Towing another vehicle

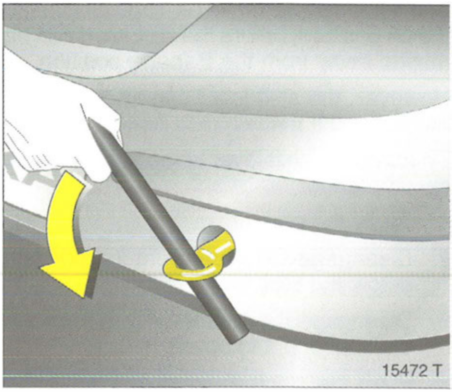
The towing eye hole is located behind a round cover at the rear of the vehicle.

1. To access the towing eye hole, press the cover and pull it downwards.

   Note: The towing eye itself is located in the tool compartment underneath the spare wheel in the luggage compartment.



2. Screw in the towing eye anticlockwise as far as it will go. Use the wheel bolt wrench to tighten the eye.
3. Attach a tow rope to the eye. Do not attach to the bumpers, brackets or any other part of the vehicle.
4. Drive off slowly and avoid jerky movements.



ENGINE OVERHEATING

WARNING:

Take immediate action if the engine overheats. This can be indicated by:

- **Illumination of the coolant temperature indicator.**
- **Steam escaping from under the bonnet**
- **A loss of power**
- **Loud knocking or pinging noise.**

Continued driving EVEN FOR A SHORT TIME can cause a fire or vehicle damage.

If your engine overheats, pull out of traffic as soon as possible and stop the vehicle. Leave the engine idling and the park brake applied while you get out and check that the cooling fan is working.

WARNING:

Do not open the bonnet if you can see or hear steam or coolant escaping from the engine compartment. Scalding fluid and steam can be blown out under pressure which could cause serious burns. Wait until no steam or coolant can be seen or heard before opening the bonnet.

If the fan is working and the engine cooling indicator is still illuminated within a few minutes, stop the engine and remove the ignition key.

Look for leaks at the radiator hoses and connections, heater hoses and connections, radiator and water pump.

Take care when checking all these areas as they can still be hot.

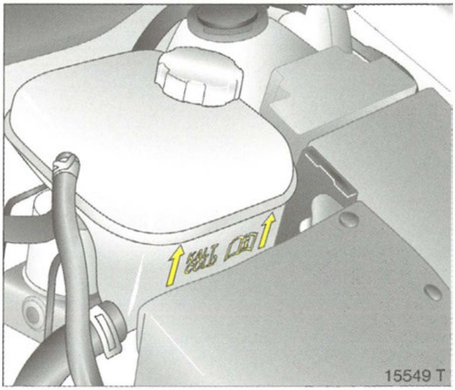
Note: If you find a major leak or other problems that may have caused the engine to overheat, do not run the engine until these problems have been corrected.

If you do not find anything wrong, check the engine coolant level in the surge tank.

The coolant level in the surge tank should be slightly above the **KALT / COLD** mark when the system is cold.

The level rises with the engine operating temperature and drops again when the engine cools down.

If the level falls below the **KALT / COLD** mark, top up the coolant to a little over the mark.



WARNING:

Do not remove the cooling system cap if the engine and radiator are still hot.

ENGINE OVERHEATING cont.

If the engine coolant level is low, remove the surge tank cap as follows:

1. Cover the surge tank cap with a thick cloth, slowly turn the cap anticlockwise and remove.
2. Top up the surge tank with clean water to a little over the **KALT / COLD** mark when the engine is idling.
3. Replace the cap and leave the engine idling for a few minutes.

If the engine cooling indicator 🌡 no longer indicates overheating after taking one or more of the above actions, resume driving at a reduced speed.

When the engine cooling indicator does not indicate further overheating after 10 minutes of driving at reduced speed, return to normal driving speed.

If overheating recurs, have the vehicle attended to by a Holden Dealer as soon as possible.

Note: With this type of sealed, pressurised cooling system there should be very little loss of coolant. If the surge tank is low, there may be a leak. Consult your Holden Dealer as soon as possible to fix the leak.

Engines can temporarily operate at high temperatures during more demanding operating conditions, especially on very hot days. These conditions include:

- Climbing a long or steep hill.
- Stopping immediately after high speed driving.
- Idling for long periods in traffic.
- Towing a heavily laden trailer or caravan.

Avoid operating your vehicle for prolonged periods in any of the above circumstances if the temperature gauge indicates a high engine coolant temperature.

Refer to Chapter 7, Weekly checks.

FLAT BATTERY

WARNING:

DO NOT attempt to push start or tow start this vehicle, as it is fitted with a catalytic converter and if un-combusted fuel were to reach the catalytic converter and ignite, the converter could overheat or be destroyed by backfire.

Battery

The battery of your vehicle has a negative earth and a 12 volt rating. The battery in the assisting vehicle must be the same voltage and also have a negative earth. The battery capacity of the charged battery must not be substantially lower than that of the discharged battery.

If your vehicle will not start due to a flat battery, try starting it by using power from a battery in another vehicle. This procedure is called ‘jump starting’.

Read the following procedure in full before attempting to jump start your vehicle.

Note: If, after reading the following procedure, you are still unsure about jump starting, we strongly recommend for your safety and that of your vehicle that you leave the starting to a competent mechanic.

WARNING:

Batteries produce explosive gases, contain corrosive acids and supply levels of electrical current high enough to cause burns. Therefore, to lessen the chance of personal injury when working near a battery:

- **Do not expose the battery to open flames or sparks. Battery action generates hydrogen gas which is flammable and explosive.**
- **Do not smoke near a battery.**
- **Wear eye protection such as industrial safety glasses and avoid leaning over the battery whenever possible.**
- **Do not allow battery acid to contact eyes or skin. Flush any contacted area with water immediately. In case of eye contact you should get medical help. Battery acid also damages paint and fabrics. To minimise damage, wash off immediately.**
- **Be sure any batteries that have filler caps are properly filled with fluid.**
- **Remove rings, metal watch bands and other metal jewellery before working around the battery.**
- **Carefully follow each step in the jump starting procedures.**
- **Never use a quick charger to start your engine.**
- **Do not lean over the battery during jump starting.**

FLAT BATTERY cont.

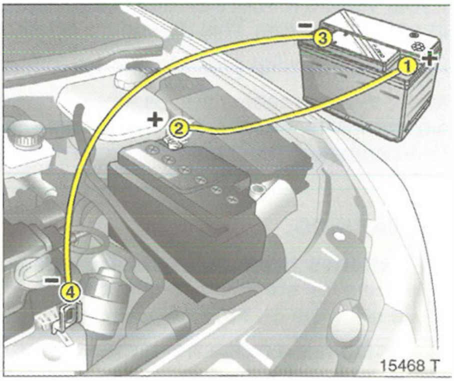
Jump starting

Prepare vehicle

1. Check the specifications in the assisting vehicle's owner manual to see if it complies with your battery specifications. Serious injury or damage may result if the wrong type of battery is used.
2. Position the two vehicles so that they are not touching and apply the park brakes.
3. Place automatic transmissions in park and manual transmissions in neutral.
4. Turn off ignition, all lights and accessories in both vehicles, except the hazard warning flasher or any lights needed for the work area.

Connect the leads in the order shown

1. Attach one end of the first jumper cable to the positive terminal of the charged battery (identified by **+** or **P** on the battery case or post or clamp).
2. Connect the end of the same cable to the positive terminal of the flat battery.
3. Attach one end of the second jumper cable to the negative terminal of the charged battery (identified by **–** or **N** on the battery case or post).
4. Connect the other end to a solid stationary, metallic point on the vehicle's engine that has the flat battery.



Note:

- Do not connect directly to the negative post of the battery. The connection should be as far away from the flat battery as possible.
- When making any connection, take care that the clamps from one cable do not inadvertently touch the clamps on the other cable.
- Ensure that jumper cables are not on or near pulleys, fans or other points that will move when the engine is started.
- Start the engine in the vehicle with the charged battery and run the engine at a moderate speed. Then start the engine in the vehicle with the flat battery. Attempts to start the engine with the flat battery should be made at intervals of one minute and should not last longer than 15 seconds.
- After starting, allow both engines to idle for approximately three minutes with the leads still connected.
- Leave the engine running as you remove the jumper cables by reversing the above sequence exactly.
- When removing each clamp, ensure it does not touch any other metal while the other end remains attached.

AIRBAGS

Passenger airbag and child restraints

WARNING – EXTREME HAZARD:

- **Do NOT use a rearward facing child restraint on a seat protected by an airbag in front of it. The child could be seriously injured if the airbag inflates, as the child's head would be very close to the inflating airbag.**
- **Never install a child restraint in the front seat of a vehicle fitted with Side Impact Airbags. Remember that it is safest for children to be seated in the rear seats.**

Do not touch any airbag system components or wires.

The wires are identified by yellow tape wrapping or yellow tubing; the connectors are also yellow.

Scrapping a vehicle that has an uninflated airbag can be hazardous. Consult your Holden Dealer.

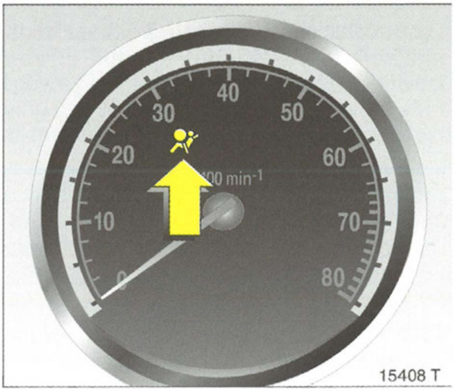
Refer to Chapter 3, Emergencies for more information about child restraints.

The airbag systems and seat belt tensioners are monitored electronically.

The light on the instrument panel illuminates briefly when the ignition is switched on. This indicates the airbags are operational.

If the light does not illuminate when the ignition is switched to on, or if it illuminates while driving, there is a fault in the airbag system or seat belt tensioners.

Contact your Holden Dealer as the airbags may not function correctly in an accident.



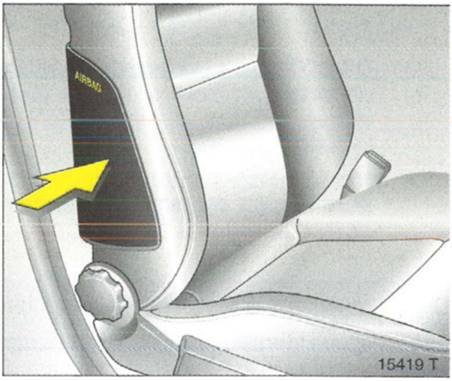
AIRBAGS cont.

Front and side impact airbags

Front impact airbags are fitted for the driver and front passenger and are identified by the word AIRBAG on the steering wheel and above the glovebox.

Side impact airbags, for the driver and front passenger, are stored in the side of the seat backrests closest to the door. Labels on the outer side of the front seat backrests indicate the position of the side impact airbags, (illustrated).

Front impact airbags operate as a pair and are triggered simultaneously. Side impact airbags are triggered independently.

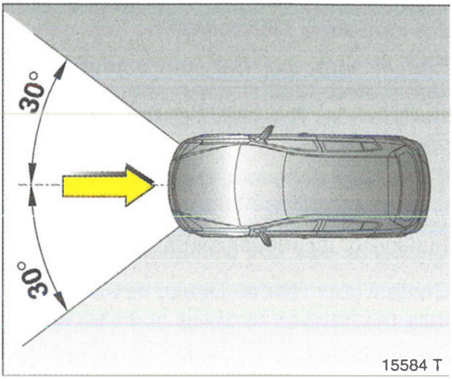


Note: After use, the entire airbag system must be replaced. Have this work performed by your Holden Dealer. Have the system inspected by a Holden Dealer if the steering wheel or dashboard area is scratched, cracked or damaged. Remember that the horn pad must not be covered with adhesive or any other material, as this may hinder airbag operation. Keep the dashboard area clear for the passenger's side airbag. Ensure there is nothing around this area or hanging from the sun visor.

If your vehicle is involved in a severe front-end collision, the front airbags inflate, assisting the seat belts to restrain forward body movement. A side impact airbag only triggers on the side of the vehicle that is struck.

You may hear an operating noise and a small amount of smoke-like gas is released. The gas is harmless and does not indicate malfunction or fire. The airbags then deflate; the whole process taking only a moment.

Note: The airbags assist, but do not replace the seat belts. Front airbags are not designed to inflate if the vehicle is hit from the rear or side or if the vehicle overturns. Seat belts (by law) must be worn by all passengers whenever the vehicle is moving.



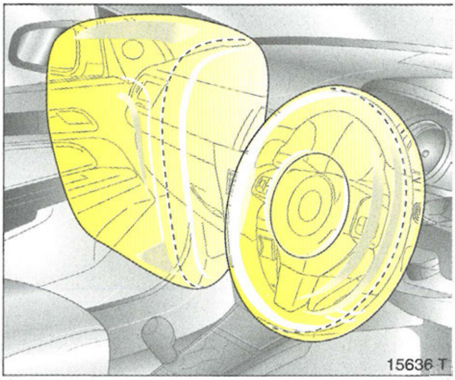
Front airbags inflate if the vehicle is struck severely within the non shaded section. They will not inflate if the vehicle is struck from the side, rear, or in some rollovers. Always wear a seat belt.

Airbags inflate rapidly and with great force. An inflating airbag in close proximity can seriously injure occupants. Seat belts help keep occupants in position in a crash and must be correctly adjusted.

Adjust the driver's seat to suit the driver's height so that the driver is sitting upright with slightly bent arms when holding the upper spokes area of the steering wheel.

Set the passenger seat as far back as possible, with the back rest upright.

AIRBAGS cont.



If a side impact airbag (SIAB) is fitted, do not fit unauthorised seat covers. Do not position your body or any object (including pillows) between front seats and doors. Front seat occupants should not lean on or sleep against the door. Always sit centrally in the seat.

The electronics controlling the airbag system and belt pretensioners are located in the centre console. To prevent malfunctions, do not place magnetic objects in the immediate vicinity of the console.

Extensive design and testing has gone into the airbag system. As a result, any careless or unskilled interference with the system could lead to its failure or to accidental inflation.

Any work to the electrical system, steering column, dashboard area, steering wheel or airbag system should only be carried out by an authorised Holden Dealer.

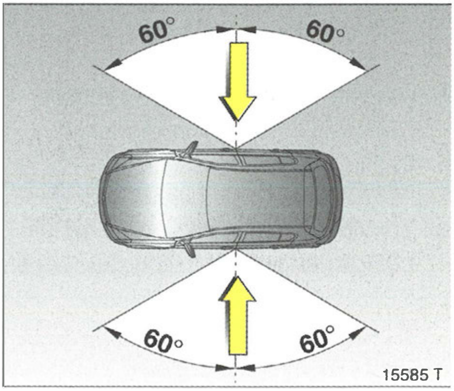
SIDE AIRBAG NOTE: The side impact airbags deploy and offer protection in most, but not all, severe side impacts. Because of the limited time available to detect some side impacts, it is not possible to deploy the SIAB in all serious accidents (for example, some pole impacts).

BULL BAR NOTE: Fitting a bull bar, or making other modifications to the front of the vehicle, may change the impact speed which would normally cause the airbag to inflate, reducing its effectiveness.

Do not fit bull bars to vehicles operating in suburban areas, as they increase the risk of injury to a pedestrian in the event of a collision.

Bull bars are only recommended for country or outback areas, where additional protection from straying animals is required.

Please remember that defensive driving and limiting driving speed to the road conditions is always the best approach, particularly where roadside signs indicate wildlife is abundant.

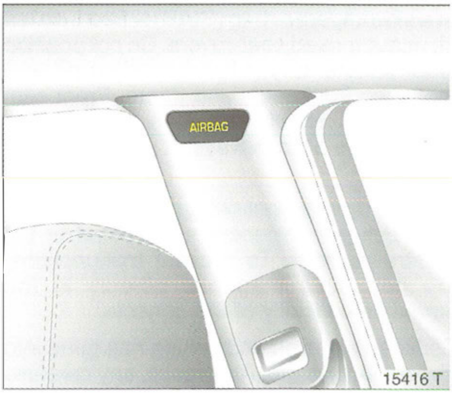


Side airbags will inflate if the vehicle is struck hard within the non-shaded section. Side airbags will not inflate if the vehicle is struck from the front, rear, or in some rollovers. Always wear a seat belt.

AIRBAGS cont.

Curtain airbags (if fitted)

The curtain airbag system is identified by labels on the roof trim pillars.

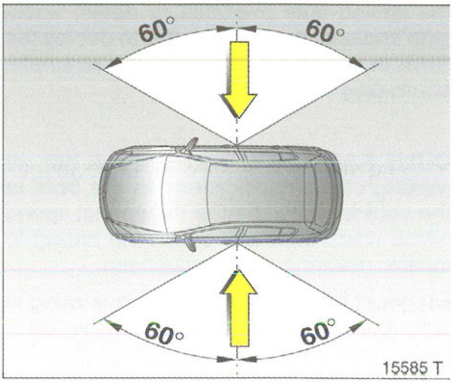


The curtain airbag system comprises:

- An airbag with inflator in the roof frame on both the driver's and front passenger sides.
- Control electronics.
- Side impact sensors.
- The airbag system light in the instrument gauges.

The curtain airbag system is triggered:

- Depending on the type of impact.
- Within the range (illustrated) on the driver's door or front passenger door.
- Together with the side airbag system.
- Independently of the front airbag system.

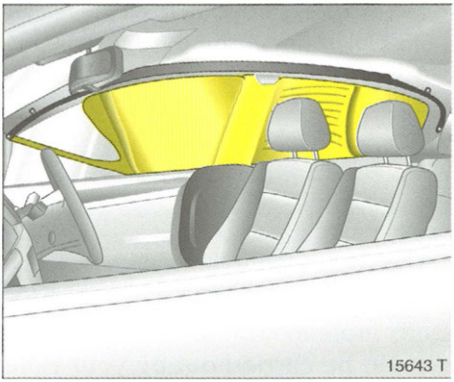


Curtain airbags inflate if the vehicle is struck hard within the non-shaded section. Curtain airbags will not inflate if the vehicle is struck from the front, rear, or in some rollovers. Always wear a seat belt.

AIRBAGS cont.

When triggered, the curtain airbag inflates to form a safety cushion around the head area on the affected side of the vehicle.

This substantially reduces the risk of a head injury in the event of a side-on collision.



WARNING:

- **There must be no objects in the area in which the airbag inflates. Do not place hands or arms on the covers of the airbag systems.**
- **Use the hooks above the doors only to hang up light articles of clothing. Do not place any objects in the pockets of the hanging items. Do not hold onto the assist handles (above the doors) while seated in the vehicle.**
- **Seat belts must always be correctly fitted.**

The curtain airbag is not triggered when:

- The ignition is switched off.
- A frontal collision occurs.
- The vehicle overturns in an accident.
- A rear impact collision occurs.
- A side impact collision occurs outside the passenger area.

The severity of a side impact determines whether the side airbag system needs to be triggered to protect the occupants of the vehicle.

The degree of damage to your vehicle and the resulting repair costs alone do not indicate the criteria for triggering of the airbags.

Contact your Holden Dealer as the airbags and / or seat belt pretensioners may not function correctly in the event of an accident.

Please read the information on the previous pages relating to airbag systems fitted to your vehicle.

BULB REPLACEMENT

When replacing a bulb, turn off the related switch to ensure that it is not illuminated.

Do not touch new bulbs with bare hands. Greasy fingers cause stains, which evaporate and can result in a dull light. Grease spots on halogen bulbs will, within a short time, lead to bulb failure. Clean stained bulbs with tissue paper, or a clean, non-fuzzy cloth, using alcohol or white spirits.

When replacing bulbs do not exceed the wattage rating on the defective bulb base.

Detailed procedures for headlight aiming are provided in the relevant service manual for your vehicle. However, because headlight aiming is a safety item, it is recommended that you have it carried out by your Holden Dealer.

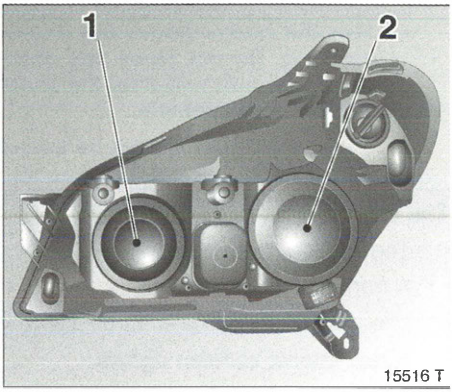
On vehicles fitted with headlight levelling adjustment, the headlight aiming must be carried out with the headlight switch in position **0**.

Bulb replacement for the following lights should be carried out by your Holden Dealer

- High mounted stop light.
- Front fog lights (if fitted).
- Instrument lighting.

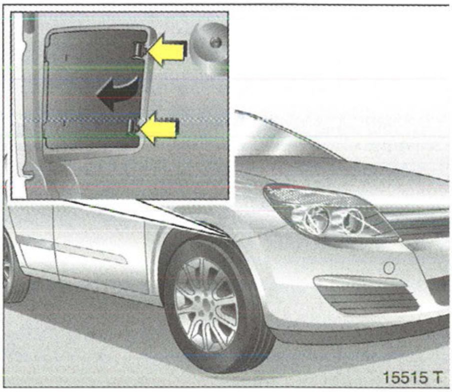
Headlights

Headlights have separate systems for high beam 1 (inner bulbs) and low beam 2 (outer bulbs).



The bulbs of the front outer lights are replaced through openings in the front wheel arch.

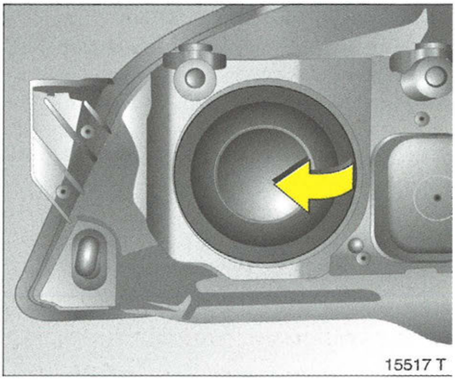
1. Turn relevant wheels to gain access.
2. Release catch and remove cover.



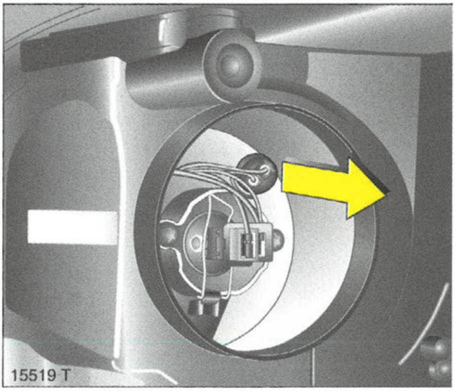
BULB REPLACEMENT cont.

Parking lights

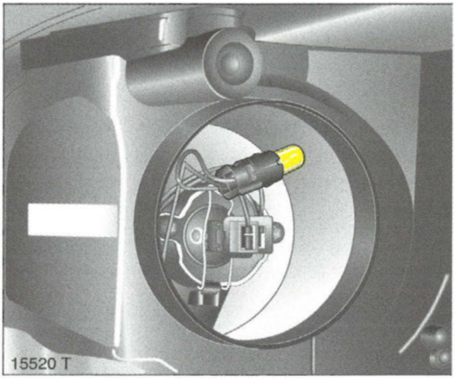
1. Open the bonnet.
2. When replacing bulbs on the right side, detach the air hose at the air filter.
3. When replacing bulbs on the left side, disconnect the plugs at the fuse box.
4. Remove main headlight protective cover (illustrated).



5. Remove parking light bulb holder from reflector.



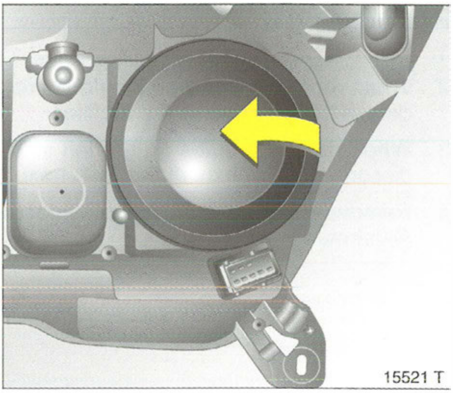
6. Remove the bulb from the holder.
7. Insert a new bulb into the bulb holder without touching the glass.
8. Insert the holder into the reflector and lock it by turning clockwise.
9. Place protective cover in position and close.
10. Check the light operation.



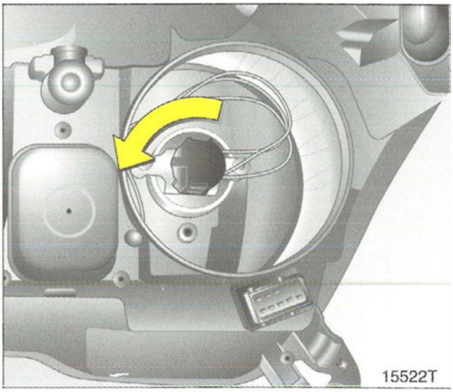
BULB REPLACEMENT cont.

Headlight system low beam

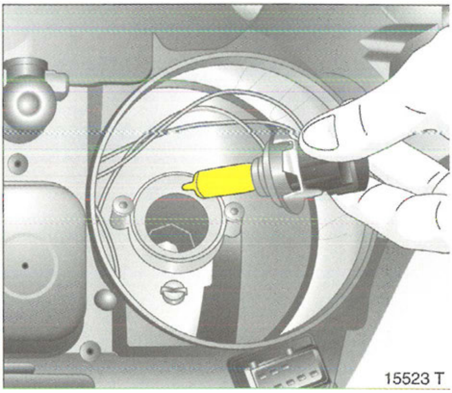
1. Turn relevant wheel to gain access and release the catch.
2. Remove the protective cover.



3. Rotate left bulb carrier anticlockwise and disengage.



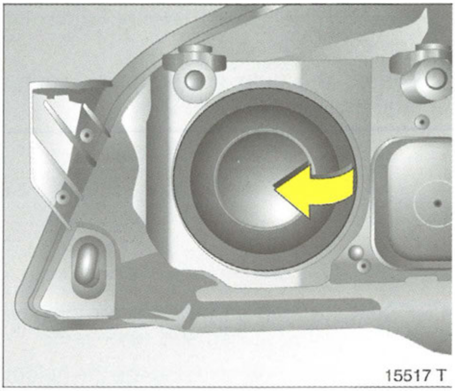
4. Remove the bulb holder from the reflector.
5. Remove the bulb from the bulb holder.
6. Insert a new bulb into the bulb holder without touching the glass.
7. Insert the new bulb and bulb holder so that the two lugs on the bulb holder engage in the recesses in the reflector.
8. Rotate the bulb holder clockwise as far as it will go.
9. Replace protective cover and close.
10. Check the light operation.



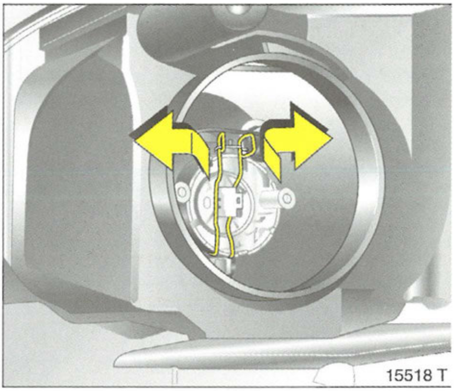
BULB REPLACEMENT cont.

Headlight system high beam

1. Open the bonnet.
2. When replacing bulbs on the right side, detach the air hose at the air filter.
3. When replacing bulbs on the left side, disconnect the plugs at the fuse box.
4. Remove main headlight protective cover.
5. Detach plug connector from bulb.



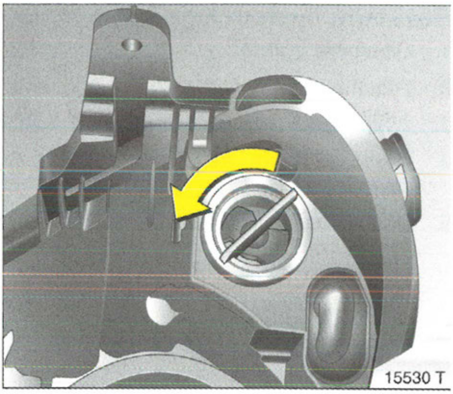
6. Detach the connector from the bulb holder by pressing the retaining clip forward and then swinging it downward.
7. Insert a new bulb into the bulb holder without touching the glass.
8. Insert new bulb and bulb holder so that the two lugs on the bulb holder engage in the recesses in the reflector.
9. Engage spring wire clip and plug connector onto bulb.
10. Replace protective cover in position and close.



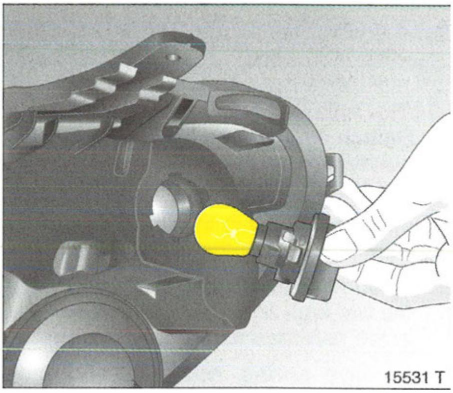
BULB REPLACEMENT cont.

Headlight system front turn signal lights

1. Open the bonnet.
2. Replace the bulb through the opening in the front wheel arch. Turn the relevant wheel to gain access, release catch and remove cover.
3. Rotate the bulb holder anticlockwise and disengage it.



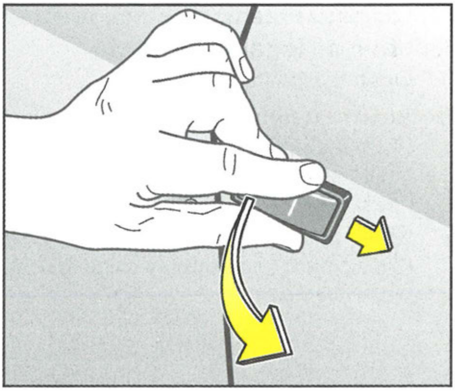
4. Press the bulb into the holder slightly, turn it anticlockwise and remove it.
5. Insert a new bulb and engage the holder into the reflector by turning it clockwise.
6. Check the light operation.



BULB REPLACEMENT cont.

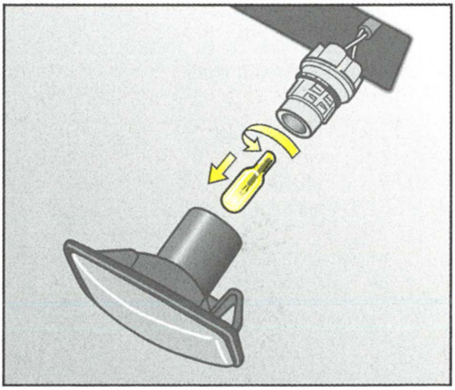
Side turn indicator lights

1. Grasp the lens at the rear, push forwards.
2. Pull the lens away from the body of the vehicle.



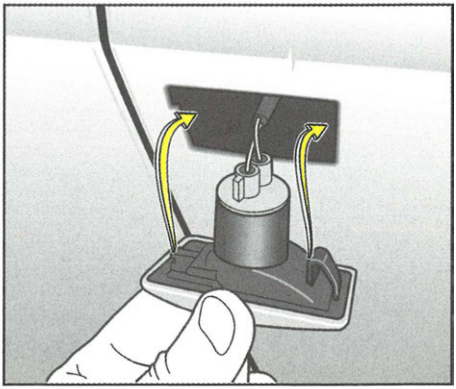
3. Separate the bulb holder from the lens assembly by rotating the bulb holder anticlockwise.

   The bulb pulls straight out of the bulb holder.



4. Insert the new bulb into the bulb holder.
5. Install the bulb holder into the lens housing.

   Note: The bulb holder only fits into the lens housing one way. Keep turning the bulb holder until it fits into place and can be tightened.
6. When inserting the light, first locate the rear of the housing into the body before pushing the front inwards to engage the clip.
7. Check the light operation.



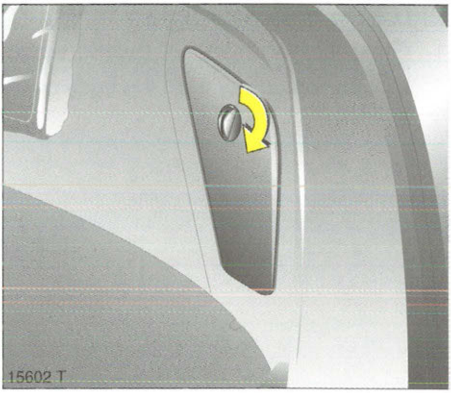
BULB REPLACEMENT cont.

Tail, brake, rear turn signal, reverse lights, rear fog lights (hatch)

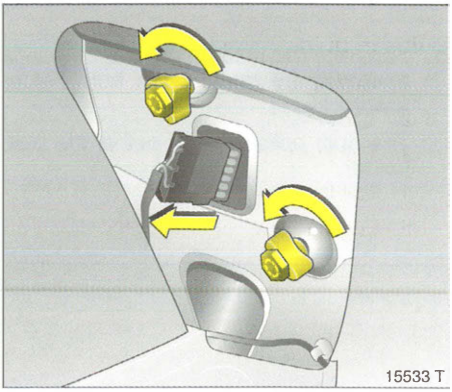
1. Open tail light cover.

Note:

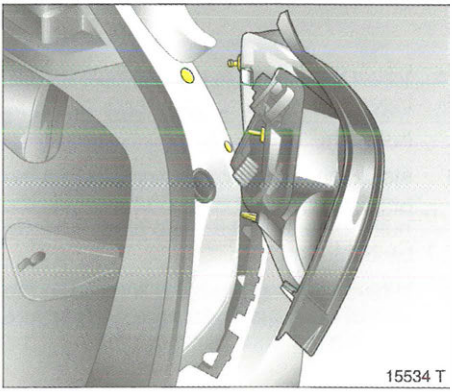
- When replacing bulbs on the right side, use a coin to open the lock and fold the cover down.
- When replacing bulbs on the left side, use a coin to turn both locks and fold the cover down.



2. Detach the plug connector from the bulb holder.
3. Grip the lens from the outside and unscrew the two nuts.

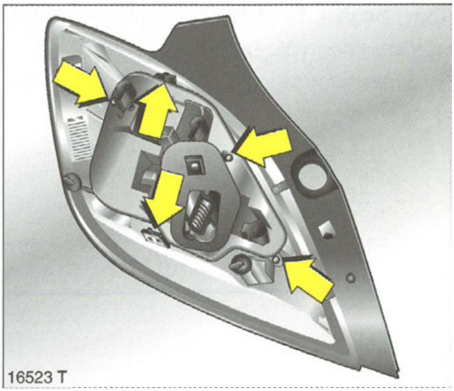


4. Detach the lens from the vehicle body, pulling it towards the rear.



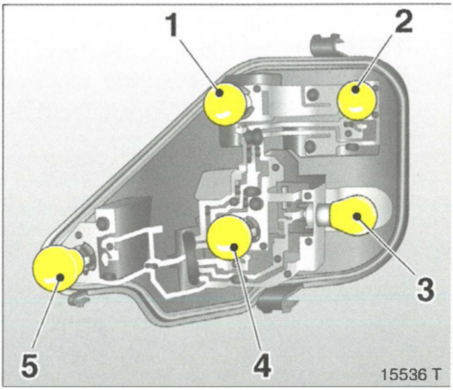
BULB REPLACEMENT cont.

5. Using a screwdriver, unscrew the three retaining screws from the bulb holder. Press the retaining lugs on the outside edge of the bulb holder and remove.



Bulbs in bulb holder:

1. Reversing lamp.
2. Turn signal.
3. Tail lamp/brake lamp.
4. Tail lamp.
5. Fog tail lamp.

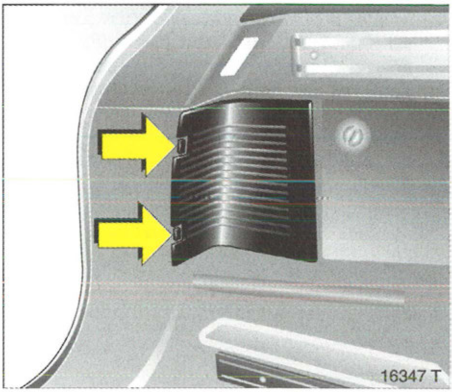


6. Remove the faulty bulb from the bulb holder.
7. Insert the new bulb into the bulb holder.
8. Install the bulb holder into the lens.
9. Insert the lens into the vehicle body and tighten fastening nuts by hand.
10. Place the tail light cover into position and click into the closed position.
11. Check the light operation.

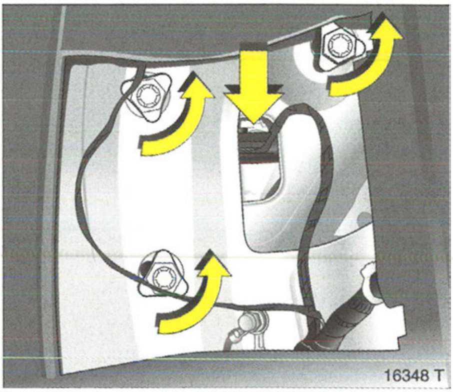
BULB REPLACEMENT cont.

Tail, brake, rear turn signal, reverse lights, rear fog lights (wagon)

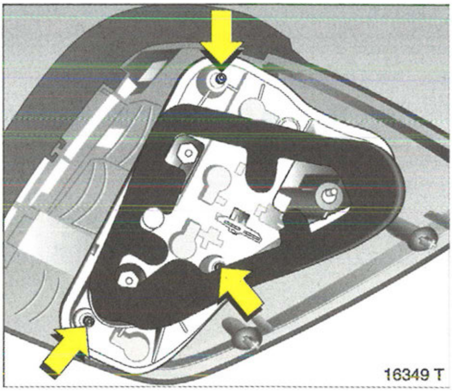
1. Press the retaining lugs to remove the tail light cover.



2. Detach the plug connector from the bulb holder.
3. Grip the lens from the outside, unscrew the three fastening nuts and remove the lens rearwards.



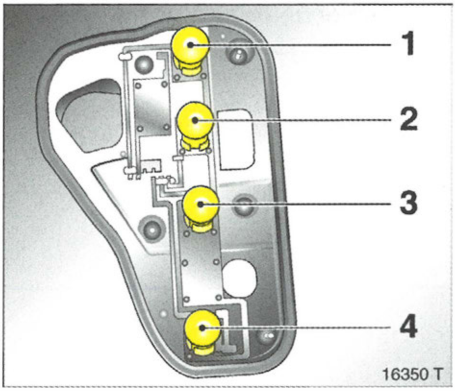
4. Using a screwdriver, unscrew the three retaining screws and remove the bulb holder from the lens.



BULB REPLACEMENT cont.

Bulbs in bulb holder:

1. Tail lamp/brake lamp.
2. Turn signal.
3. Reversing lamp.
4. Fog tail lamp.

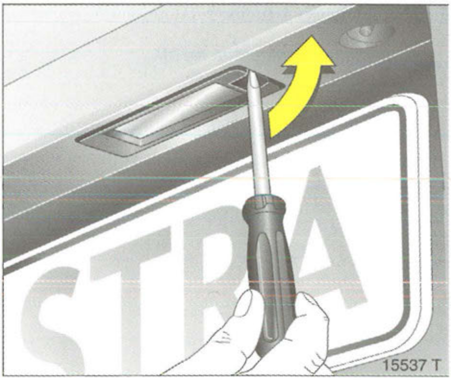


5. Remove the faulty bulb from the bulb holder.
6. Insert the new bulb into the bulb holder.
7. Install the bulb holder onto the lens.
8. Insert the lens into the vehicle body and tighten fastening nuts by hand.
9. Place the tail light cover into position and click into the closed position.
10. Check the light operation.

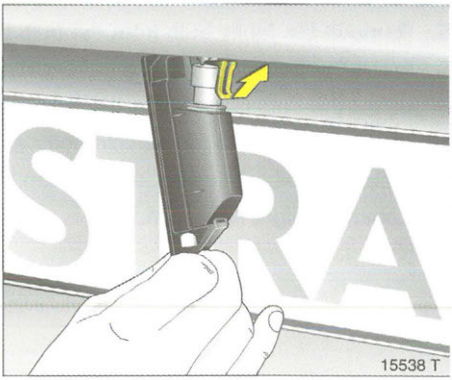
BULB REPLACEMENT cont.

Number plate light

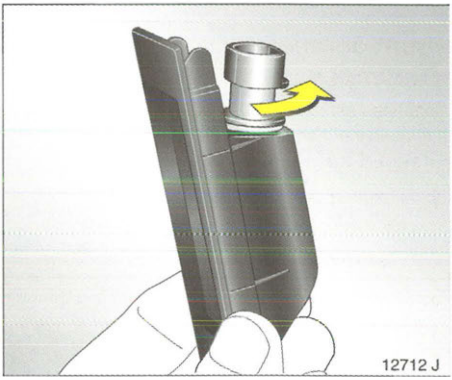
1. Insert a screwdriver into the side of the light (illustrated).
2. Press to the side and disengage the spring.



3. Remove the bulb housing by pulling it downward but take care not to pull on the cable.
4. Lift the flap (illustrated) and disconnect the plug from the bulb socket.



5. Rotate the bulb socket anticlockwise and disengage.
6. Remove the bulb from socket.
7. Insert a new bulb, without touching the glass.
8. Insert the socket into the bulb housing and rotate clockwise to engage.
9. Connect the plug to the bulb socket.
10. Insert and engage the bulb housing.



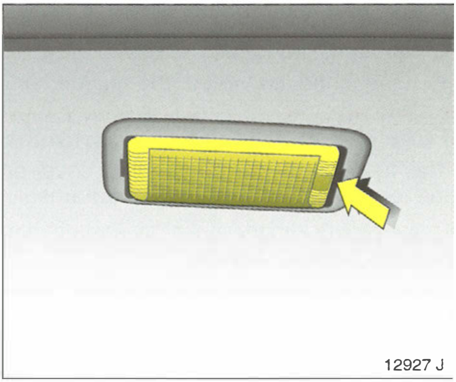
BULB REPLACEMENT cont.

Interior light, glovebox light, rear reading light (if fitted), luggage compartment light

Before removing the bulb, close the doors or ensure that the contact switch is kept pressed so that the light is not live.

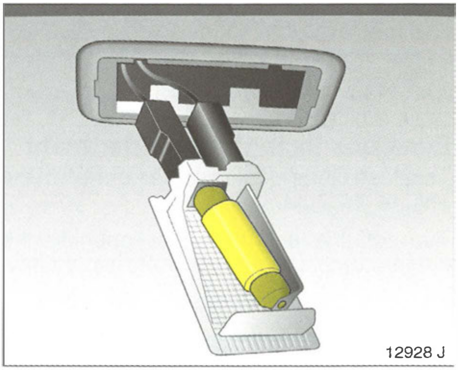
1. Gently prise the light out of the recess using a screwdriver.

   To access the rear reading light, lever the lens out of the housing.



2. Press the bulb slightly towards the spring clip and remove it.

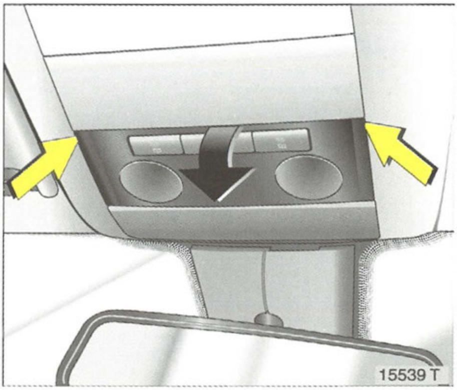
   For the rear reading light, remove the faulty bulb.
3. Insert a new bulb.
4. Install the assembly gently into the recess.
5. Check the light operation.



Front dome lamp with reading spots (if fitted)

Before removing the bulb, close the doors or ensure that the contact switch is kept pressed so that the light is not live.

1. Press the lens downwards slightly where indicated and lower to remove.
2. Remove the bulb from the socket.
3. Without touching the glass, insert a new bulb.
4. Locate the lens and engage in position.
5. Check the light operation.



FUSES

The vehicle has two fuse boxes:

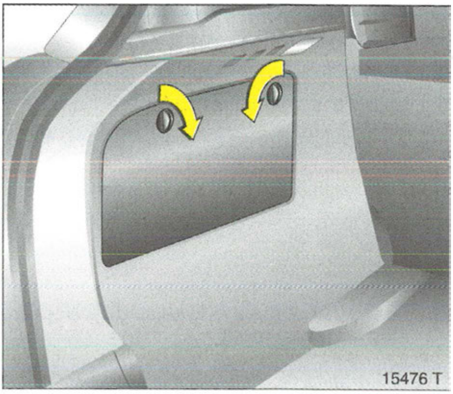
- One behind a cover on the left side of the luggage compartment
- One in the front left of the engine compartment.

Fuse box in luggage compartment

This fuse box is located behind a cover on the left side of the luggage compartment.

Use a coin to turn the locks (illustrated) and fold the cover downward.

Do not store any objects behind the cover.



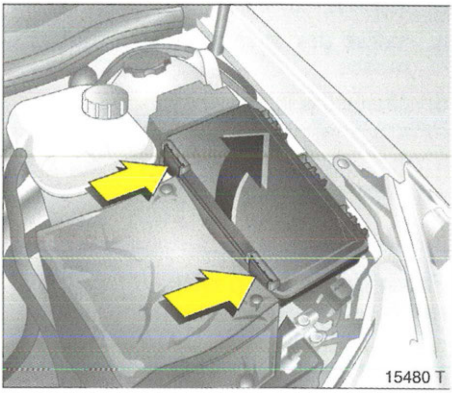
Fuse box in engine compartment

This fuse box is located at the front left of the engine compartment.

Turn off the engine before opening the engine compartment fuse box to avoid injury.

To open the cover, release the catch by inserting a screwdriver into the opening as far as it will go and swivelling it to the side.

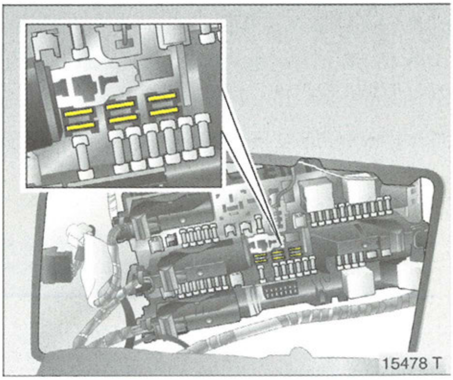
Open the cover upwards and remove.



FUSES cont.

Replace fuse

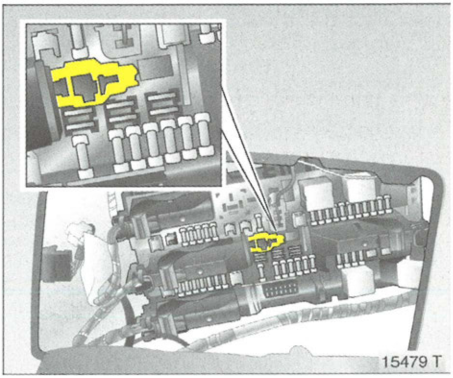
Carry complete set of spare fuses at all times. The fuse box has extra spaces for storing spare fuses.



To help replace fuses, a special fuse gripping tool is provided on the right-hand side of the fuse box.

Before replacing a fuse, turn off the respective switch and remove the ignition key.

Slot the fuse gripping tool onto the fuse and withdraw the fuse.



FUSES cont.

A defective fuse is recognised by its melted wire. Only install a new fuse after the cause of the trouble has been located and eliminated.

Only fuses of the specified rating should be installed. The rating is present on all fuses.

Some circuits may be protected by several fuses.

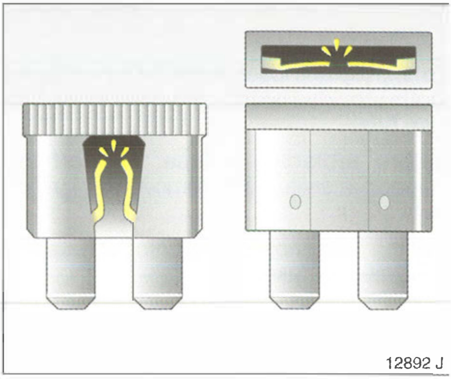
For fuse ratings, refer to the following pages.

WARNING:

When replacing a fuse, be sure to use a fuse of the specified amperage. Never install a wire or similar device to replace a fuse, as it could damage electrical components and may cause a fire hazard to your vehicle.

Fuse Ratings

COLOUR	RATING
Light brown	5 A
Brown	7.5 A
Red	10 A
Light blue	15 A
Yellow	20 A
White	25 A
Light green	30 A
Orange	40 A
Dark Blue	60A



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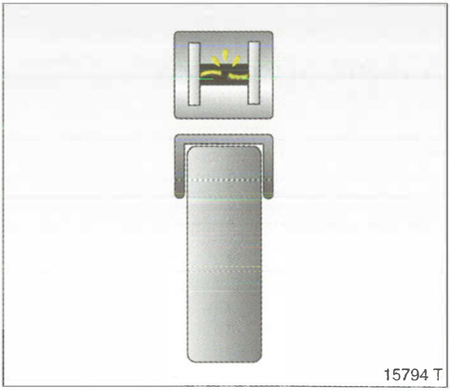
COLOUR	RATING
Blue	10 A
White	25 A
Pink	30 A
Green	40 A



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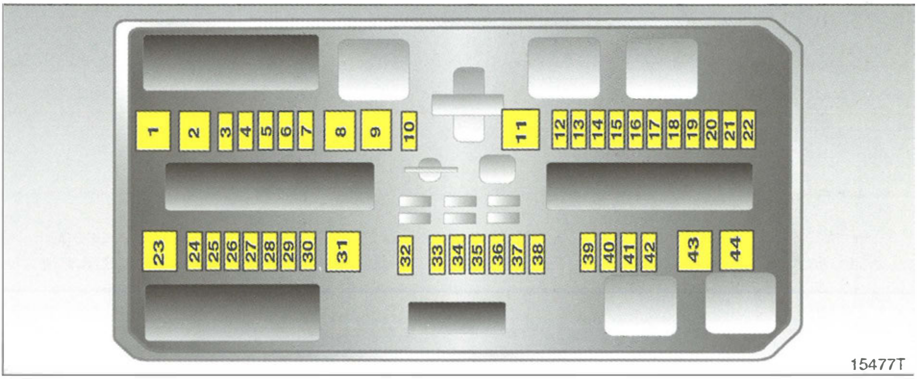
FUSES cont.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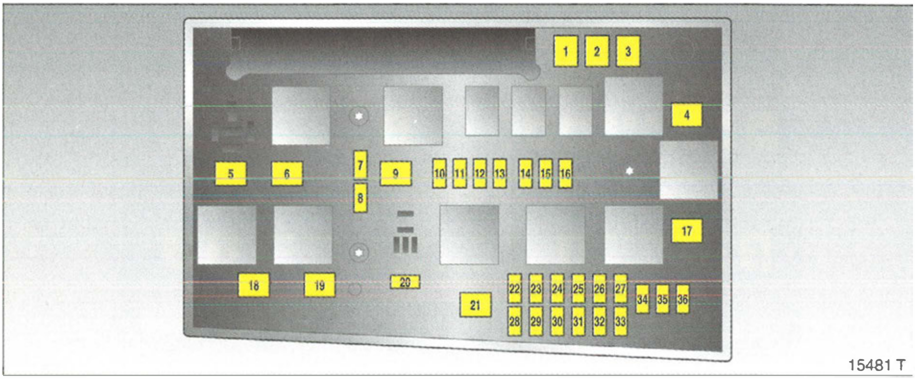
Fuse box in the luggage compartment

1	Electric windows, front	25 A
2	–	
3	Instruments	7.5 A
4	Heating, air conditioning, climate control system	5 A
5	Airbags	7.5 A
6	–	
7	–	
8	–	
9	–	
10	–	
11	Heated rear window	25 A
12	Tailgate wiper	15 A
13	–	
14	Heating, air conditioning system	7.5 A
15	–	
16	Seat occupancy recognition	5 A
17	–	
18	Instruments, switches	5 A
19	–	
20	–	
21	Heated exterior mirrors	7.5 A
22	–	
23	Electric windows, rear (if fitted)	25 A
24	Diagnostics plug	7.5 A
25	–	
26	–	
27	–	
28	–	
29	Front accessory socket	15 A
30	–	
31	–	
32	–	
33	–	
34	–	
35	–	
36	Towing equipment	20 A
37	Courtesy lamp	5 A
38	Central locking system, clamp 30	25 A
39	Seat heater, left (if fitted)	15 A
40	Seat heater, right (if fitted)	15 A
41	–	
42	–	
43	–	
44	–	

FUSES cont.



Fuse box in the engine compartment

1	ABS	20 A
2	ABS	30 A
3	Interior fan climate control system	30 A
4	Interior fan, heating, air conditioning system	30 A
5	Radiator fan 1 (1)	30 A, 40 A
6	Radiator fan 2 (1)	20 A, 30 A, 40 A
7	Windscreen washer system	10 A
8	Horn	15 A
9	–	
10	–	
11	–	
12	Recirculation pump	5 A
13	Fog lamps	15 A
14	Windscreen wipers	30 A
15	Windscreen wipers	30 A
16	Electronic control unit	5 A
17	–	
18	Starter	25 A
19	Transmission electronics	30 A
20	Air conditioning system	10 A
21	Engine electronics	20 A
22	Engine electronics	7.5 A
23	–	
24	Fuel pump	15 A
25	Transmission electronics	15 A
26	Engine electronics	10 A
27	Power steering	5 A
28	Transmission electronics	5 A
29	Transmission electronics	7.5 A
30	Engine electronics	10 A
31	–	
32	Brake system, air conditioning system	5 A
33	–	
34	Control unit steering column module	7. 5 A
35	Infotainment system	20 A
36	–	

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(1) Based on equipment level.

Notes

CHAPTER 7

Weekly checks

Page

7-2 Miscellaneous checks

7-3 Engine oil level

7-4 Engine coolant level

7-5 Brake fluid level

7-5 Automatic transmission fluid level

7-5 Power steering fluid level

7-6 Washer fluid level

7-6 Battery

7-7 Tyres

7-10 Trolley jack / Hoist locations

MISCELLANEOUS CHECKS

As well as having your vehicle serviced, there are a few simple weekly checks that ensure the vehicle is kept in good condition. These are shown on the following pages.

The following checks should also be regularly done to ensure proper safety and dependability of your vehicle. Ensure:

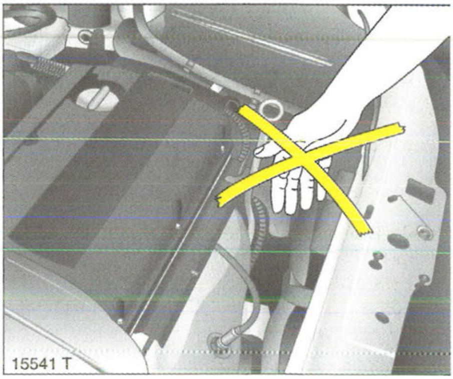
- All exterior lights are working and that their appropriate interior indicators light up when in operation.
- Mirrors and glass are clean and not scratched.
- Automatic transmission shift lever indicator correctly lines up next to the gear selected.
- The aim of water on the windscreen or tailgate and condition of the wipers.
- Demister operates.
- Condition and operation of all seat belts (give them a sharp tug to make sure that they will lock when necessary) and check that buckles are clean and operating correctly. Remember that seat belts must never be worn twisted.

WARNING:

- **If the engine temperature is high, the cooling fan may remain on for several minutes after turning off the ignition.**
- **The engine cooling fan can start working unexpectedly, even when the engine is not running and the ignition is off.**

WARNING:

- **Electronic ignition systems have a high ignition power. Do not touch the ignition system; this could be highly dangerous.**



ENGINE OIL LEVEL

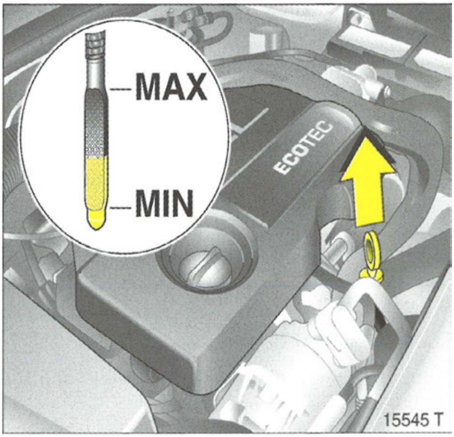
It is normal for every engine to consume some oil. For this reason, check the engine oil level every 500 km or before starting a long trip.

Ensure that the vehicle is parked on level ground with the engine (which must be at operating temperature) switched off when you check the oil level. Wait at least two minutes before checking the level to allow the oil to settle. If the engine is cold, the oil may take considerably longer to drain back.

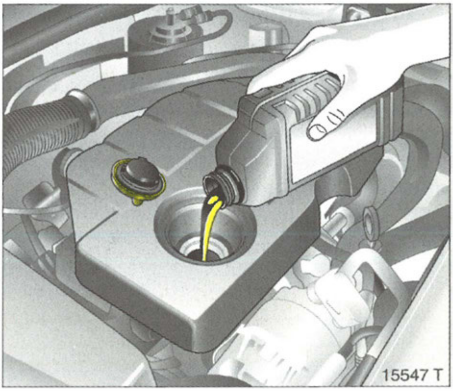
To check the level, remove the oil dipstick, wipe it clean and insert it as far as it will go.

Withdraw the dipstick and look at the oil level.

Maintain the oil level between the two marks (**MIN** and **MAX**). If you need to add oil, use the engine oil specified in Chapter 8, Specifications.



To add oil, undo the cap on top of the engine. Add enough oil to bring the oil level to the top mark. As a guide, the distance between the marks represents one litre of oil.



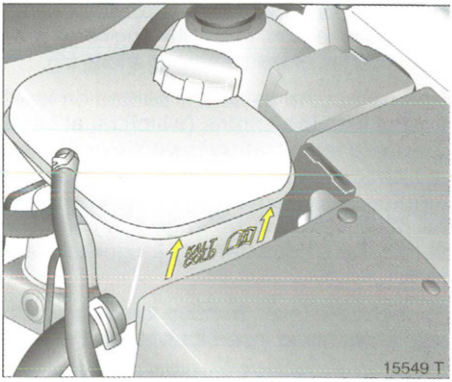
Wait a few minutes for the oil to settle. Then check the oil level again. If still too low, add more oil. If now correct, replace the oil cap and the dipstick. Clean up any spilt oil.

Note: The oil level should not go above the **MAX** mark on the dipstick.

Do not judge oil consumption until the vehicle has run several thousand kilometres. It may take this long for oil consumption to stabilise.

Note: Do not use non-detergent or other low-quality oils. Do not use break-in oil, tune up compounds, friction reducing compounds and other supplemental additives. Their use increases costs, may be detrimental to the operation of your vehicle and may void your New Vehicle Warranty, to the extent that Holden considers the non-recommended fluid to have affected the specifications or quality of your Holden vehicle.

ENGINE COOLANT LEVEL



Check the level of the coolant at least once a week. This is simply a matter of looking at the level in the plastic container when the engine is cold.

The level should be slightly above the **KALT / COLD** mark when the engine is cold. The level rises when the engine is running and drops again when the engine cools down. If the level falls below the cold mark the coolant should be topped up to a little over the mark.

The coolant for your vehicle is specified in Chapter 8, Specifications.

When topping up, first mix a solution of 50% coolant and 50% water.

Failure to use the coolant meeting Holden's specification or maintaining the specified concentration may result in voiding your warranty.

You can temporarily use plain water in the cooling system in an emergency situation. However, obtain the correct coolant as soon as possible from the nearest Holden Dealer.

Remember to replace the coolant cap and tighten it as far as it will go.

Note: Specified coolant contains special corrosion inhibitors for the best corrosion protection of your engine and cooling system. This coolant also gives your cooling system greater hot weather protection by increasing the boiling point and in addition provides protection in cold weather conditions down to –30°C, provided the correct concentration is maintained.

Refer to Chapter 6, Emergencies.

If you need to regularly top up the cooling system, see your Holden Dealer.

WARNING:

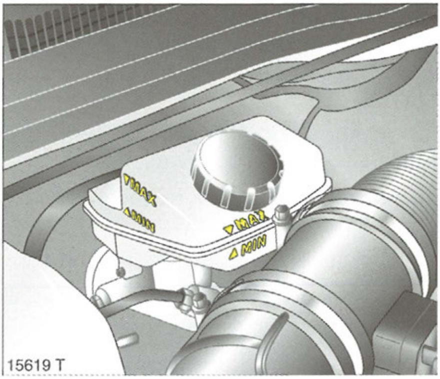
Corrosion inhibitors and antifreeze fluids are poisonous. Use extreme care when handling. If swallowed seek medical attention. Do not remove the cooling system cap if the engine and radiator are still hot. Scalding fluid and steam can be blown out under pressure which could cause serious burns.

BRAKE, TRANSMISSION AND STEERING FLUID LEVELS

Brake fluid level

WARNING:

Brake fluid is poisonous and corrosive and will damage the paint finish of your vehicle if spilt.



Check the brake fluid in the master cylinder weekly. The master cylinder is located in the engine bay, on the driver's side of the vehicle.

The fluid level, visible in the transparent master cylinder, should be between the **MIN** and **MAX** level markings (shown in the cutout at the side of the master cylinder).

If the fluid level is between these markings, do not remove the master cylinder cap. Remember that brake fluid exposed to the atmosphere will quickly absorb moisture, which, in turn, lowers the boiling point of the fluid as well as increasing risk of corrosion of brake components.

Before you add fluid, first clean around the cap. Top up with heavy-duty brake fluid, specified in Chapter 8, Specifications.

Remember to secure the cap and clean up any spilt fluid.

Note: Use only new brake fluid. Old, used or inferior brake fluid may endanger the functioning of the brake system.

If the master cylinder requires constant topping up it could indicate that a malfunction exists. Consult your Holden Dealer immediately.

Automatic transmission fluid level (if fitted)

The fluid level for automatic transmission is checked when you take your vehicle to a Holden Dealer for servicing. Refer to Chapter 12, Servicing. The automatic transmission fluid level does not require checking by the driver in between these scheduled services.

Power steering fluid level

The fluid level for power steering is checked when you take your vehicle to a Holden Dealer for servicing. Refer to Chapter 12, Servicing. The power steering fluid level does not require checking by the driver in between these scheduled services.

Special Pentosin fluid is required for the power steering system in this vehicle.

WASHER FLUID LEVEL AND BATTERY

Washer fluid level

Washer fluid is used constantly. Therefore, check the level weekly and top up as required.

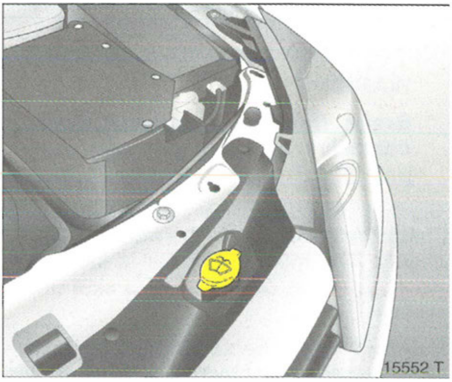
The washer container is for both the windscreen and tailgate washers.

The washer fluid container is located under the bonnet, near the battery.

To fill the reservoir, open the flip-top cap.

For a crystal clear windscreen, use a small amount of cleaning fluid obtained from your Holden Dealer. Refer to Chapter 11, Cleaning. Do not use ordinary soap or detergent as these not only froth up but will damage the wiper rubbers.

Remember to secure the cap after filling.

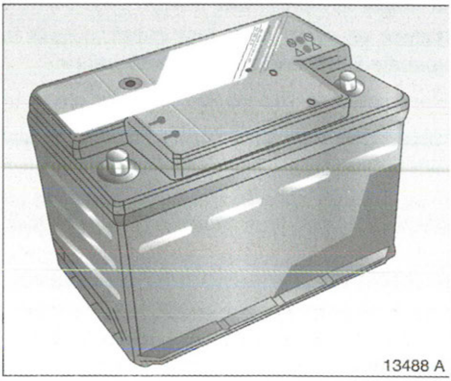


Battery

Your vehicle is fitted with a maintenance free battery, which means you do not have to check the fluid level.

Note: Never disconnect the battery when the engine is running.

If removing the battery for recharging, first disconnect the negative cable, then the positive cable. Never charge the battery while it is still connected to the vehicle. When connecting the battery, first connect the positive cable to the positive post, and then connect the negative cable to the negative post.



TYRES

Tyre air pressure

Weekly checking of the air pressure of your tyres (including the spare) ensures your safety, as well as reduces fuel consumption and increases the life of your tyres.

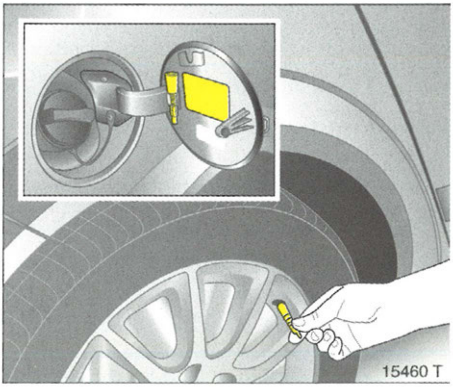
For constant, long distance or rough road travelling, check the tyres daily. For correct pressure for your tyres, refer to the tyre placard on the inside of the fuel filler flap.

If the vehicle is heavily loaded the recommended pressure for the tyres increases and the weekly air pressure check becomes even more important.

This is due to the tyres operating under greater load. Refer to the tyre placard on your vehicle.

Tyre inflation pressure increases when the tyres have been driven more than 2 km. Check the pressure when the tyres are cold (stationary for over three hours). If they must be checked immediately after driving, increase the pressure shown on the placard by 10%. Refer to Chapter 8, Specifications.

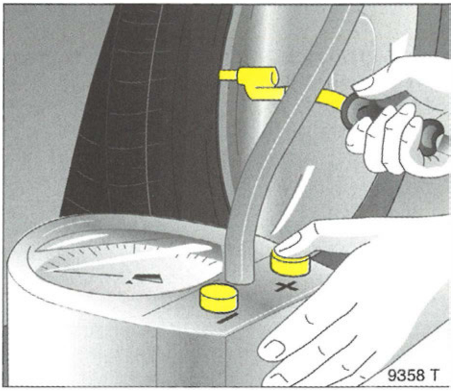
Use the valve cap key to unscrew the valve caps. The key is located inside the tank flap (as illustrated).



Increase the inflation pressure in the tyres according to the load on the vehicle. For example, if the vehicle is loaded to half the maximum payload (as shown in Chapter 10, Tow and load) then the tyres should be inflated half way between the minimum and maximum pressures given on the tyre placard.

For vehicles driven for prolonged periods over rough roads, particularly in outback conditions, use the cold tyre inflation pressure on the tyre placard for maximum load condition.

Always use a tyre pressure gauge to check the tyres – merely looking at the tyres is not sufficient.



Low tyre pressure can result in considerable tyre warm-up and internal damage. This leads to tread separation and even to tyre blowout at high speeds.

High tyre pressure can result in reduced traction, increased risk of tyre blowout and poor tyre wear.

Remember to put back any valve dust caps or extensions, if so equipped. This stops dirt and moisture from fouling the valves.

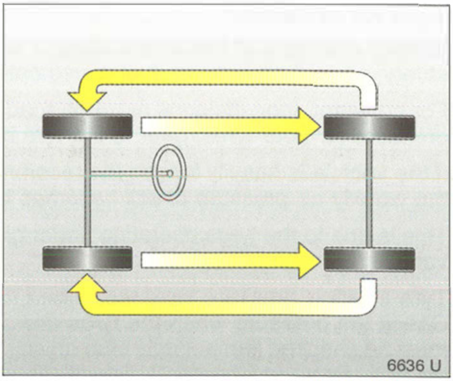
When checking the tyre air pressure, take a look at the condition of the tyre tread and inspect for stones or abnormal wear.

TYRES cont.

Tyre inspection and rotation

Front and rear tyres perform different jobs and can wear differently depending on the types of roads driven, driving habits, wheel alignment, balance and tyre pressures.

Tyres are checked when your vehicle is serviced by your Holden Dealer, who is able to diagnose any unusual signs of wear. If the wheels are rotated, the balance should be checked at the same time.



Heavy treads

Exercise caution when using tyres with heavy treads, including tyres designed to gain traction in bad weather conditions.

At sustained high speeds, this type of tyre runs at higher temperatures than standard tyres and should only be operated within the limits recommended by the manufacturer.

Consult your Holden Dealer concerning the fitness of the tyres for specific purposes.

Wheel replacement

When replacing wheels, ensure that the new wheels are equivalent in diameter, rim width, offset and mounting configuration to those originally installed in your vehicle.

Note: Replacing your factory-fitted wheels and tyres with non-specified wheels and tyres may affect your warranty as well as your motor vehicle insurance policy.

Tyre traction

WARNING:

A decrease in driving, cornering and braking traction occurs when water, snow, ice, gravel or other material is on the road surface. Driving practises and speed should be adjusted to the road conditions.

When driving on wet roads, it is possible for a wedge of water to build up between the tyre and road surface. This phenomenon, known as 'aquaplaning', may cause partial or complete loss of traction, which adversely affects control and stopping ability. To reduce the possibility of traction loss, observe the following precautions:

- Reduce speeds during rainstorms, when roads are slushy or if the road has standing water or puddles.
- Replace tyres when the tread has worn down to the wear indicators.
- Check that tyres are properly inflated.

Alignment and balance

Improper wheel alignment can cause the tyres to wear faster and unevenly. It can also cause the vehicle to pull to the left or right. Out-of-balance wheels and tyres can cause annoying vibration and uneven tyre wear such as cupping and flat spots.

If you have any reason to suspect that either of the above problems exist, have your Holden Dealer perform a wheel alignment and balance check.

TYRES cont.

Tyre replacement and repair

WARNING:

Do not mix different tyre construction types, such as radial and cross ply, on your vehicle except in emergencies, because your vehicle's handling could be affected and may result in loss of control.

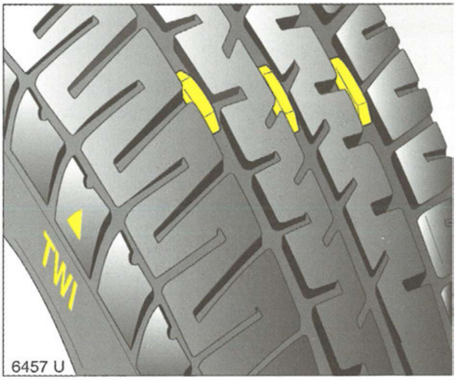
When replacing tyres you should use the same size, load rating and construction type as the original tyres on your vehicle. Refer to the tyre placard on your vehicle for tyre size and load rating. Using a different size or type of tyre may affect such things as ride, handling, speedometer / odometer calibration, ground clearance and tyre clearance to the body or chassis.

Tyres with a higher speed rating and / or maximum load rating in excess of that listed are also acceptable as replacements provided they are fitted to a suitable rim size.

Fit new tyres in pairs to the front. When replacing only one tyre, pair it on the same axle with the least worn of the other three.

Replace your tyres when:

1. The tyres are worn to the point where the tread wear indicators, as shown, appear or the cord or fabric is showing.
2. The tread or side wall is cut, split, or cracked deep enough to expose the cord or fabric.
3. The tyre has a bump or bulge in it, indicating some kind of internal damage.
4. The tyre has a puncture, cut or other damage which cannot be repaired because of the size or location of the damage.



If in doubt about the extent of damage to the tyre, have it removed from the wheel and examined by a tyre specialist.

If a pressure loss occurs while driving, do not attempt to drive on the deflated tyre more than is necessary to stop safely. Driving even a short distance on a deflated tyre can damage it and the wheel beyond repair.

Remove the object which has punctured the tyre and make repairs in accordance with the tyre manufacturer's recommendations.

WARNING:

Tyres which have been repaired or retreaded cannot be operated safely at high speeds. Therefore, their use is not recommended.

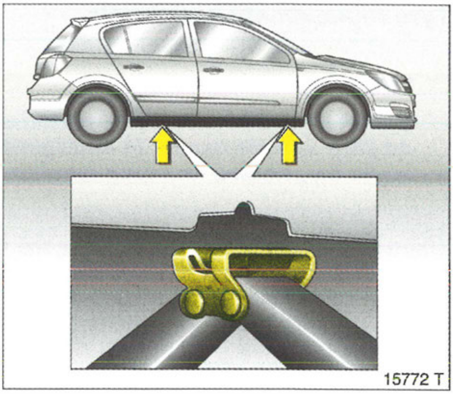
TROLLEY JACK / HOIST LOCATIONS

You should always use the jack locations (refer to Chapter 6, Emergencies) when using the original jack supplied with your vehicle.

This jack has been designed to correctly and safely lift your vehicle, provided the warnings in Chapter 6, Emergencies are observed.

However, if using a trolley jack or hoist to raise the vehicle, it is important that the trolley jack or hoist be positioned as shown.

When using lifting or jacking equipment with metal jaws, use a rubber pad to avoid damage to the vehicle.



Notes

CHAPTER 8

Specifications

Page
8-2 Specifications
    Engine
    Transmission
    Dimensions
8-4 Identification labels

SPECIFICATIONS

Engine type	**Z18XE, 16 valve**
Piston displacement	1796 cc
Compression ratio	10.5:1
Bore	80.5 mm
Stroke	88.2 mm
Power kW @ rpm	92 @ 5600 *
Torque Nm@ rpm	170 @ 3800 *
Oil specification	ACEA Service classification A3, B3 or B4 viscosity grade 10W-30 or 15W-40
Refill oil capacity (including filter)	4.25 litres
Fuel tank capacity	52 litres
Coolant capacity	5.9 litres
Coolant specification	50% water and 50% Extended-life anti-freeze coolant conforming to GM6277M specification
Brake fluid	J1703, DOT 4
Battery specification	12 volts, 66 amp hours
Battery for remote control	CR 20 32

* The Z18XE Engine has been developed for operation on regular, unleaded (91 RON) fuel. Slightly improved performance can by achieved when the engine is operated on premium unleaded (95 RON) fuel.

Power and torque figures are quoted on 95 RON.

SPECIFICATIONS cont.

Transmission

Transmission	**5 speed manual transmission (CR 3.94)**	**4 speed automatic transmission (if fitted)**
Transmission Fluid type	Gear oil, meeting Holden spec. no. HN2354 (Castrol SMX-O or equivalent)	Auto trans fluid meeting Holden spec. no. HN2287 (Esso JWS 3305G)
Clutch fluid type	Heavy duty brake fluid, DOT 4, SAE spec. J1703	–

Dimensions

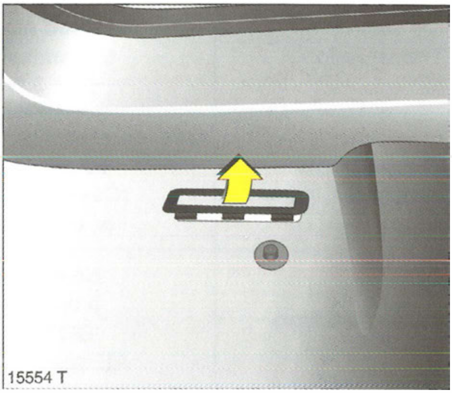
Vehicle		**5 Door**	**3 Door**	**Wagon**
Overall length		4249 mm	4290 mm	4515 mm
Overall width		2033 mm (including mirrors) 1753 mm (excluding mirrors)		
Overall height, at kerb weight		1460 mm	1435 mm	1500 mm
Track	Front	1488 mm with 15" wheels 1484 mm with 16" wheels		
	Rear	1488 mm with 15" wheels 1484 mm with 16" wheels		
Wheel base		2614 mm		2703 mm

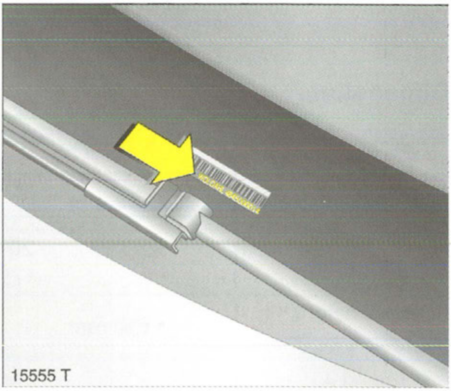
IDENTIFICATION LABELS

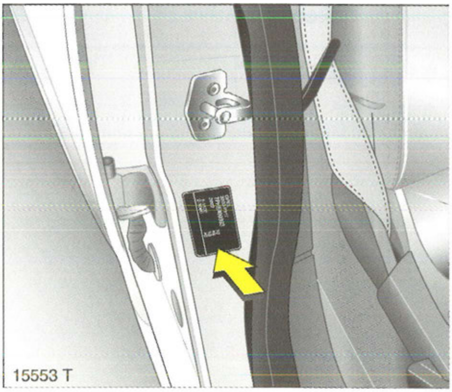
Vehicle identification number stamp

This stamp shows the International Standards Organization Vehicle Identification Number (ISOVIN), which should be used for identification with spare parts. The number is stamped onto the sill inner panel under a cover, on the right side of the driver's seat and the identification label located on the driver's side front door frame.

Refer to following page for a breakdown of the ISOVIN number.



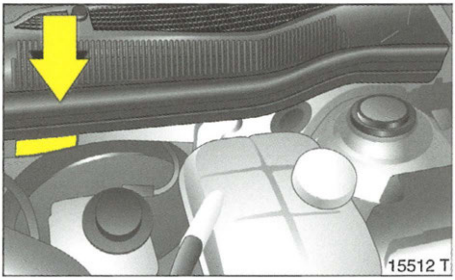




IDENTIFICATION LABELS cont.

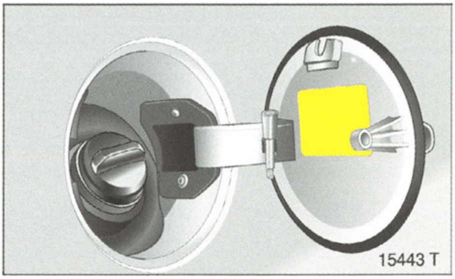
Safety compliance plate

The safety compliance plate is located inside the engine bay, on the bulkhead.



Tyre placard

The tyre placard is located on the inside of the fuel filler flap.

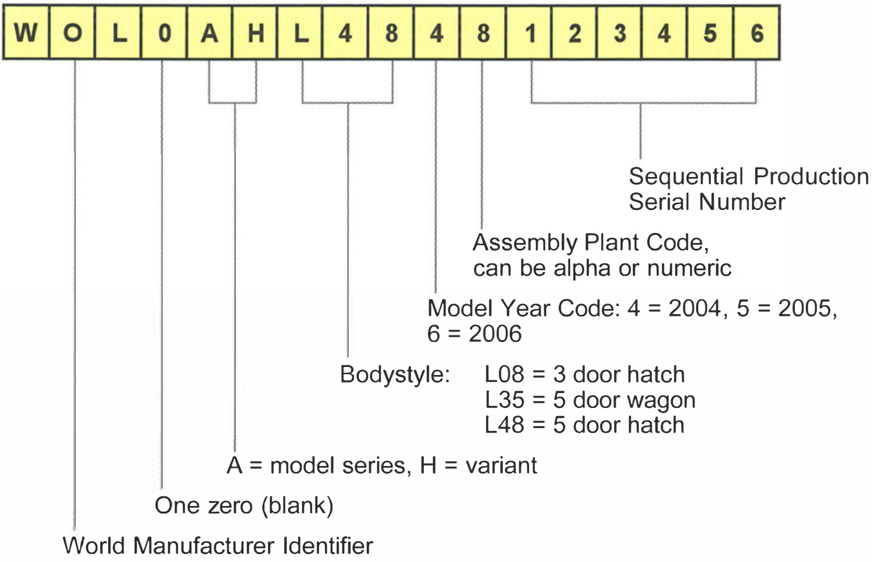


Engine number

Individual identification numbers are stamped onto the engine, near the engine oil dipstick.

Vehicle identification number (ISOVIN)

The individual ISOVIN (example below) appears on the Safety Compliance Plate, on the bulkhead in the engine compartment and on the identification label located on the driver's side front door frame. This number is used for identification of parts (refer previous page).



Sequential Production Serial Number

Assembly Plant Code, can be alpha or numeric

Model Year Code: 4 = 2004, 5 = 2005, 6 = 2006

Bodystyle:
L08 = 3 door hatch
L35 = 5 door wagon
L48 = 5 door hatch

A = model series, H = variant

One zero (blank)

World Manufacturer Identifier

CHAPTER 9

Customer Assistance

Page

9-2 Customer assistance

9-3 For New Zealand Holden owners

9-4 Roadside assistance

9-6 New vehicle warranty certificate

9-8 Parts and accessories warranty

9-9 Warranty questions and answers

CUSTOMER ASSISTANCE

We want you to be happy with your new vehicle, together with the people you deal with while you have the vehicle.

Normally, any problems with the sales, operation, servicing or the validity of original equipment supplied with your vehicle will be handled by your Holden Dealer's Sales and Service Department.

We realise however that, with the best intentions, misunderstandings do occur sometimes.

Therefore, we suggest you discuss any concern with one of the Holden Dealer's management people. If you have not received satisfaction from the Sales Manager or Service Manager – go to the General Manager or to the Dealer Principal.

By now you should have satisfaction. If not, the Holden Customer Assistance office is at your disposal.

The Holden Customer Assistance representatives can be telephoned from anywhere within Australia for only the cost of a local call. The Melbourne area number is:

9646 5466

Outside the Melbourne Metropolitan area, the number is:

1800 033 349

If your concern relates to parts / accessories and you have made contact with the Dealer or Distributor without satisfaction, you may contact Holden Service Parts Operations on (03) 9797 7341.

Naturally, telephoning is the quickest and the best way to contact. However, if you prefer to write the address is:

The Manager
Holden Customer Assistance Centre
GPO Box 1714
Melbourne, 3001.

Your letter should clearly outline your concern or query, and include the following:

- Your name and address.
- Telephone numbers, both private and business.
- Servicing Dealer's name and address.
- Vehicle model.
- Vehicle identification number (I.S.O.V.I.N.), refer to the inside front cover of the service booklet in your vehicle's glovebox.
- Date of purchase.
- Current odometer reading.

Most of this information will be found on the Vehicle Identification Certificate, located inside the front cover of the service booklet in your vehicle's glovebox.

Before you write however, remember that the telephone is the quicker and more efficient means of communication.

FOR NEW ZEALAND HOLDEN OWNERS

The information in this Owner's Handbook applies primarily to Australian Holden vehicles and there may be some differences to the Warranty and Owner Assistance provisions for New Zealand. Applicable details for New Zealand are set out in the Holden Warranty and Owner Assistance Information booklet enclosed in the New Zealand glovebox wallet.

☎ New Zealand Assistance can be reached on:

0800 HOLDEN (0800 465 336)

This number provides access to New Zealand Roadside Assistance as well as New Zealand Customer Assistance.

If you prefer to write the address is:

✉
The Manager
Holden Customer Assistance Centre
GPO Box 1714
Melbourne,
Australia, 3001.

ROADSIDE ASSISTANCE

3 YEAR
24 HOUR ROADSIDE ASSISTANCE

Our commitment to your satisfaction

Holden's Roadside Assistance is part of the unequalled commitment by Holden to provide total motoring satisfaction.

From the moment delivery is made, our aim is to provide the finest possible ownership experience, from design through manufacturing to servicing and now beyond to the open road, Australia wide.

We hope the need never arises, but if it does, we'll be there to help through Holden Roadside Assistance.

How does Holden Roadside Assistance work?

Holden Roadside Assistance is provided by Holden Ltd. and delivered by the collective resources of the Australian Automobile Clubs and Associations including the constituents of Assist Australia (AA). To request a copy of the terms and conditions, contact Customer Assistance Service Line on 1800 033 349.

Which vehicles are covered by the service?

As of 1st November 1993 all new Holden passenger and light commercial vehicles are covered for 36 months from the date of first registration.

Holden Roadside Assistance is extended to private and business vehicles, taxis, rental companies, all government and fleet operators.

What will Holden Roadside Assistance do for me?

Holden Roadside Assistance is designed to get you mobile on any road that is trafficable to normal two wheel drive vehicles. In the event of the unexpected happening, from your keys being locked in your vehicle to mechanical and accident advice, help is readily available by simply calling the toll free number 1800 817 100.

All Holden luxury vehicles receive the added benefits of Holden Roadside **Ultra** Assist which includes accommodation, alternative transport, rental vehicle, assistance in case of accident, theft and medical emergency and Australia wide vehicle recovery.

Can I upgrade to Roadside Ultra assist?

Yes, owners can upgrade to Holden Roadside **Ultra** Assistance for a fee by dialling 1800 645 668. To request a copy of the **Ultra** terms and conditions, contact Customer Assistance Service Line on 1800 033 349.

ROADSIDE ASSISTANCE cont.

When do the benefits begin?

Cover begins from the date of first registration. An interim card entitles you to immediately receive all the benefits of Holden Roadside Assistance.

Where can I get Roadside Assistance?

Holden Roadside Assistance is available to you at home, or at the roadside, anywhere in Australia, should you need it. In remote or sparsely populated areas you may experience delays in obtaining Roadside Assistance due to your location, the availability of the service provider and accessibility.

Is there a membership or joining fee?

No, Holden Roadside Assistance is complimentary with every new Holden passenger vehicle and light commercial vehicle for 36 months from the date of first registration.

What will Holden Roadside Assistance cost me?

Materials, fuel and spare parts must be paid for at the time of service. The service personnel attending will issue a receipt for these expenses. Reimbursement of expenses covered by Holden's warranty can be claimed by contacting your local Holden Dealer.

What happens if I sell my vehicle?

Holden Roadside Assistance stays with the vehicle, so if you sell your vehicle during the 36 month period, it is still eligible for the balance of the Holden Roadside Assistance. The new owner simply registers for the service by using the change of ownership form supplied in the Roadside Assistance booklet.

How do I call for assistance?

Simply call Holden Roadside Assistance toll free on 1800 817 100 from anywhere in Australia. For further information regarding the service and full terms and conditions, refer to the Roadside Assistance Kit in the glovebox or call the toll free Customer Assistance Service Line on 1800 033 349.

NEW VEHICLE WARRANTY CERTIFICATE

New Vehicle Warranty application

This Warranty is given by Holden Ltd., ABN 84 006 893 232, ('Holden'). The Warranty applies to the vehicle identified on the inside front cover of the service booklet in your vehicle's glovebox. It is provided to the original and subsequent owners / operators driving the vehicle within Australia during the Warranty Period.

This Warranty is given in addition to all rights conferred by law on that person.

Australian vehicles

This Warranty is only applicable to vehicles purchased and operated in Australia.

Owners of vehicles purchased in Australia but operated overseas should consult the local Dealer in the country of operation about any Warranty applicable to their vehicle. This Warranty does not apply for Holden vehicles exported overseas. Similarly, this Warranty is not provided for vehicles purchased overseas and imported into Australia.

Repairs covered

Subject to the exclusions shown on the following page, this Warranty covers the correction, during the Warranty Period, of any vehicle defect related to materials or workmanship and advised to a Holden Dealer or Authorised Service Outlet, by repair or at Holden's option by replacement.

100,000kms
3
years

Warranty Period

The coverage commences from the date of delivery (or in the case of a demonstrator vehicle the date when the vehicle was first placed into service by the Dealer). The coverage expires at the end of the period of 3 years after the commencement date or after the vehicle has travelled 100 000 kilometres, whichever occurs first.

No charge

Warranty work undertaken (including parts and labour) will be carried out at no cost to the vehicle owner. However, this work should not be confused with servicing specified in the Maintenance schedule in the service booklet for which a charge is payable.

NEW VEHICLE WARRANTY CERTIFICATE cont.

Warranty exclusions

- **Damage**

  Your Warranty does not extend to the following damage:
  Damage caused by an accident, fire, theft or moving objects striking the vehicle.

  Damage caused by industrial fallout, chemicals or sealants.
  Damage caused by atmospheric fallout or flood, hail, salt, etc.

- **Maintenance items**

  Services such as brake adjustment, replacement of filters, wiper rubbers etc., which are required as part of normal vehicle maintenance (refer to the service booklet in your vehicle's glovebox).

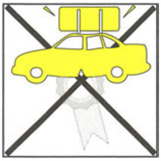
Manufacturer

- **Tyres**

  The tyres (and tubes where applicable) fitted to your vehicle are not covered by this Warranty. However, they may be covered by the tyre manufacturer.

- **Batteries**

  Batteries are warranted for 12 months.



- **Misuse**

  This Warranty does not cover damage caused by:

  (a) misuse or abuse of the vehicle such as by racing, rallying, overloading, etc., or neglect
  (b) operation of the vehicle after the defect is known
  (c) failure to carry out proper maintenance services (refer to the service booklet in your vehicle's glovebox)
  (d) use of incorrect types and grades of fuel, oil or lubricants
  (e) alteration of the vehicle by anyone not authorised by Holden
  (f) fitting of parts or accessories not recommended by Holden
  (g) any work carried out on the vehicle by anyone except an authorised Holden Dealer or authorised Service Outlet.

PARTS AND ACCESSORIES WARRANTY

Holden warrants Holden approved Parts and Accessories ('Parts' and 'Accessories') for the periods and on the conditions set out below. The Warranty covers the correction, during the relevant Warranty Period, of defects in any such Parts and Accessories, by repair or at Holden's option by replacement.

- **Accessories installed to the new vehicle**

  Holden approved Accessories installed by a Holden Dealer or authorised Service Outlet to the new vehicle at the time of purchase are covered together with the New Vehicle warranty for the period of 3 years or 100 000 km, whichever occurs first.

- **Parts and Accessories installed after new vehicle delivery by a Holden Dealer or authorised Service Outlet**

  Parts and Accessories installed after new vehicle delivery by a Holden Dealer or authorised Service Outlet are covered for 2 years or 50 000 km (whichever occurs first). If the vehicle is still within the New Vehicle Warranty the Parts and Accessories are covered by the longer of:

  2 years / 50 000 km (whichever occurs first)

  or

  the end of the New Vehicle Warranty.

  As an example, an Accessory installed in a 7 month old vehicle would be covered until the end of the New Vehicle Warranty; an Accessory installed in a 2½ year old vehicle would be covered until the end of 4½ years or a further 50 000 km from when the Accessory was installed.

- **Purchased at retail or trade**

  Parts and Accessories purchased at trade or retail and installed by other than a Holden Dealer or authorised Service Outlet are warranted for 1 year from the date of purchase. Please keep a receipt to support warranty claims.

  The Warranty does not cover the labour costs of removal / reinstallation of Parts and Accessories when installed or rectified by other than a Holden Dealer or authorised Service Outlet.

- **Parts and accessories warranty exclusions**

  The tyres (and tubes where applicable) are not covered by this warranty. However, they may be covered by the tyre manufacturer.
  Batteries are warranted for 12 months from date of purchase.
  Parts which are required as part of normal vehicle maintenance are warranted against manufacturing defect at the time of installation. Consult your Holden Dealer to confirm the period of this warranty.

WARRANTY QUESTIONS AND ANSWERS

This section is designed to assist you in understanding the Holden Warranty provided with your new vehicle.

The following are some of the most frequently asked questions for which detailed answers are provided.

Q 1. How do I go about obtaining Holden Warranty service?

It is the responsibility of the Selling Dealer to provide Holden Warranty service, therefore, you should take your vehicle to the Selling Dealer whenever Holden Warranty service is needed. However, if this is not possible, you may go to any other Authorised Holden Dealer. The details recorded inside the front cover of the service booklet will be required by the Dealer.

Q 2. What should I do if my vehicle becomes unsafe or inoperative as a result of a defect which is covered by the Holden New Vehicle Warranty?

You should contact the nearest Authorised Holden Dealer or Holden Customer Assistance Service as soon as possible, and arrange for that Dealer to carry out the required Holden Warranty Service.

Q 3. What should I do if, in an emergency, Holden Warranty service is required and an Authorised Holden Dealer is not available to provide such service at the time?

If, in an emergency, a repair, replacement or adjustment (covered by the Holden New Vehicle Warranty) is required to enable your vehicle to be operated safely and it is not practical for you to go to an Authorised Holden Dealer, the service (to the extent that it is necessary to enable your vehicle to be operated safely) may be performed by any other qualified mechanic or repairer. A claim for the reasonable cost may be made through the authorised Holden Dealer who would normally provide you with Holden Warranty service. You must also take your vehicle to the Authorised Holden Dealer for inspection of the service and / or completion of any required Holden Warranty service, as soon as possible.

Note: During normal business hours you should seek authorisation from your nearest Authorised Holden Dealer or Holden Customer Assistance Service, prior to repairs being commenced.

Q 4. Are damage or injury, loss of time, inconvenience, commercial or other direct or indirect loss covered by the Holden Warranty?

No, these items are not covered. Holden warranty only covers the repair, replacement or adjustment of those parts of your vehicle which are found to be defective in materials or workmanship. No other types of claim for compensation of any kind, even if the same resulted from a consequence of a defect in materials or workmanship in your vehicle, will be recognised under the Holden New Vehicle Warranty.

You may have rights under the law to claim compensation outside of the Holden New Vehicle Warranty, but any claim based on those rights should be separately pursued.

WARRANTY QUESTIONS AND ANSWERS cont.

Q 5. Will I have to pay for maintenance costs during the Warranty Period?

Maintenance costs are not covered by the Holden New Vehicle Warranty. The Maintenance Schedules in the service booklet (in your vehicle's glovebox) specify the *minimum* maintenance required for your vehicle operating under normal conditions.

The Maintenance items (except where they are required as a result of defects in materials or workmanship) for which you will have to pay include:

- Engine tune-up, including spark plugs replacement.
- Replacement of all filters, engine and other belts, hoses , wiper blades and clutch linings.
- Cleaning or flushing of fuel, coolant, brake, engine, transmission, differential, power steering etc., after 3000 km.
- Carbon and sludge removal.
- Maintenance servicing of emission control system devices.
- Adding to (or replacing) lubricants.
- Adding to (or replacing) air conditioning refrigerant, after 3000 km.
- Any necessary adjustments to drive belts, transmissions, clutch, park brake etc.
- Wheel balancing – after 3000 km.
- Wheel alignment.
- De-dusting or de-glazing of brake linings or pads – after 3000 km.
- Brake lining wear or damaged brake components due to lining wear.
- Clutch lining wear or damaged clutch components due to lining wear.
- Brake disc pad or disc wear.
- Battery recharging.
- Paint, bright metal finish and trim, due to normal deterioration.
- Body panel adjustment – after 3000 km.
- Door, or bonnet lock adjustments.
- Glass or channel adjustments – after 3000 km.
- Body rattle, squeaks and general tightening of bolts, fasteners and fittings – after 3000 km.
- Chipped glass or breakage.
- Torn or damaged floor mats or carpets.
- Normal wear and tear to trim components.

Q 6. Are my tyres covered by the Holden New Vehicle Warranty?

No. The tyres fitted to your vehicle are covered by a separate warranty provided by the tyre manufacturer. Any Authorised Holden Dealer will assist you by discussing any queries which you might have with respect to the tyre manufacturer's warranty with the tyre manufacturer's representative.

WARRANTY QUESTIONS AND ANSWERS cont.

Q 7. Will I have to pay for any costs or expenses in connection with the provision of Holden Warranty service?

All parts and labour used in carrying out Holden Warranty service at the premises of the servicing Holden Dealer are free of charge. Whenever Holden Warranty service is to be carried out by the servicing Holden Dealer it is your responsibility to deliver your vehicle to the servicing Holden Dealer's premises.

If, as a result of a defect which is covered by the Holden New Vehicle Warranty, your vehicle cannot be driven safely and you arrange for the nearest Authorised Holden Dealer to carry out the required Holden Warranty service, Holden will accept reasonable towing costs to move your vehicle to the nearest Holden Dealer's premises. Before employing a towing company, contact the nearest Holden Dealer and / or Holden Customer Assistance Service to obtain guidance.

Q 8. Would my vehicle's engine benefit from fuel additives, oil additives or coolant additives not marketed by Holden?

The use of break-in oil, tune-up compounds, friction-reducing compounds and other supplemental additives is not recommended; their use will not only increase operating costs, but may also be detrimental to the operation of your vehicle and may affect the validity of your New Vehicle Warranty.

Only the fluids and lubricants referred to in this handbook should be used.

UNAUTHORISED STATEMENTS IN RELATION TO HOLDEN PRODUCTS

No Holden Dealer or other person is authorised or permitted to give or make any statement, assertion or undertaking in relation to the quality, performance, characteristics, descriptions or fitness for any purpose of any Holden product or in connection with the supply of any Holden product, which is at variance with any written statement, assertion or undertaking on any of these subjects given or made by Holden in its published sales literature, and Holden does not accept any responsibility for such unauthorised action.

CHAPTER 10

Tow and Load

Page

LOADING THE VEHICLE

10-2 Unladen Mass
10-2 Gross Vehicle Mass
10-3 Maximum rear axle load
10-3 Roof rack loads
10-3 Roof racks mounts

TOWING

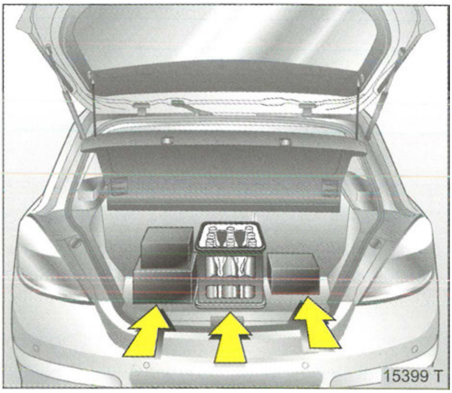
10-4 Towing
10-4 Tow ball load
10-5 Safe towing tips
10-5 Towing precautions

LOADING THE VEHICLE

Overloading your vehicle is a safety hazard and could also shorten the life of the vehicle and its parts.

The recommended carrying capacity of your vehicle (including all occupants and luggage) is 450 kg.

If you load your vehicle other than to the above recommendations, ensure you do not exceed the maximum rear axle load and the gross vehicle weight.



Unladen Mass

The unladen mass shown below are for the weight of an unloaded vehicle, with a full tank of fuel.

Vehicle	5 Door	3 Door	Wagon
CD	1249 kg	1243 kg	1306 kg
CDX	1266 kg	1271 kg	1325 kg
CDXi	1283 kg	—	—

Add 25 kg if the vehicle is fitted with an automatic transmission.

Note: The vehicle weights listed are estimates based on pre-production vehicles and, although correct at the time of printing, are subject to change. When the actual weight of a particular vehicle is required, have the vehicle weighed on a suitable weighbridge.

(GVM) Gross Vehicle Mass (weight)

The Gross Vehicle Mass is the maximum a vehicle should weigh when fully loaded. This includes any luggage, passengers, roof rack load and a full tank of fuel.

If you are towing, then the weight of the tow bar ball load (refer later in this chapter) must also be included.

The maximum allowable weight for your vehicle is shown in the adjacent table.

Vehicle	Z18XE
3 Door	1760 kg
5 Door	1780 kg
Wagon	1870 kg

LOADING THE VEHICLE cont.

Maximum rear axle load

The maximum allowable rear axle load for your vehicle is shown in the adjacent table.

Note: Remember to take the tow bar ball load into account when determining the rear axle load.

Vehicle	Rear axle load
3 Door	840 kg
5 Door	860 kg
Wagon	940 kg

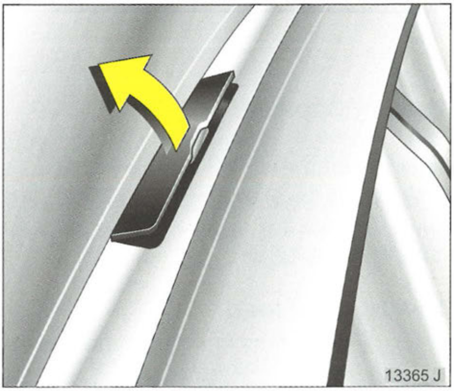
Roof rack loads

WARNING:

For safety reasons, and to avoid damaging the roof, use only the roof rack approved by Holden for your vehicle.

The maximum allowable roof load is 75 kg (including the weight of the roof racks).

Roof rack loads alter the handling of a vehicle due to a change in the centre of gravity. Avoid abrupt swerving or sharp steering when carrying loads on the roof rack.



Distribute the load evenly and do not drive faster than 120 km/h. You must include the weight on the roof rack when working out the maximum vehicle load (GVM) – treat the roof rack load as luggage.

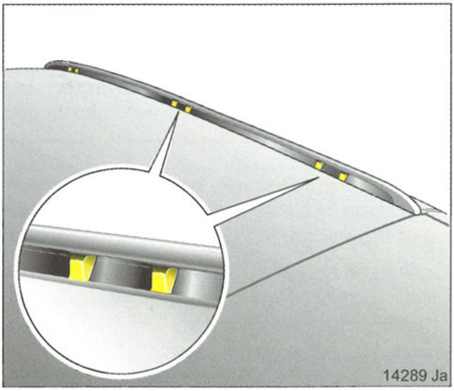
Roof racks mounts (without railings)

Lift the covers from the fitting openings.

Attach the roof rack at appropriate points.

Roof racks mounts (with railings)

Attach the roof rack to the roof railings at points indicated.

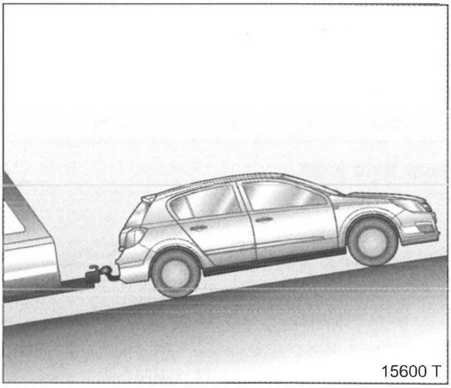


TOWING

Towing

Your vehicle is designed primarily as a passenger vehicle, so handling, durability and economy may be affected by towing a caravan or trailer.

Ensure the correct equipment is fitted before towing.



Towing Capacity

The maximum towing capacity for your vehicle is shown in the adjacent table.

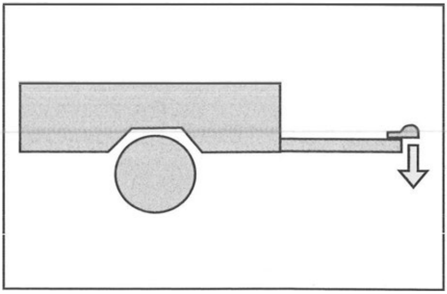
Reduce the maximum towing and loading limits in higher elevations and / or mountainous terrain.

Vehicle	Braked	Unbraked
3 Door	1300 kg	630 kg
5 Door	1300 kg	630 kg
Wagon	1300 kg	660 kg

Tow bar ball load

When a trailer is connected to the towing vehicle, some of the weight of the trailer is applied through the tow ball to the tow bar and towing vehicle. This weight is called the 'tow bar ball weight' or 'ball load'.

If the ball load is too light or too heavy, the steering, handling and ride characteristics of the vehicle can be adversely affected.



As a general guideline, for single axle trailers, the ball load should be approximately 10% of the loaded trailer mass. For heavy trailers with more than one axle, the ball load should be in the range 5% - 10% of the loaded trailer mass.

Check the ball load capacity of your towing equipment. This may be called the 'Maximum Down Load', 'Maximum Vertical Load', 'Maximum Ball Load' or similar and will be specified on your tow bar.

Establish a target ball load that is in accordance with the recommendations (above) and within the capacity of the towing equipment.

Check the ball load (compare with the target) before coupling the trailer to the towing vehicle.

The ball load can be adjusted by redistributing the contents of the trailer ie. by moving the contents of the trailer forward or backward within the trailer so as to change the trailer's balance.

For further information, contact the roads authority in your relevant Country / State.

TOWING cont.

Safe towing tips

- Vehicles handle differently when towing. To get comfortable with this change, make a couple of short distance trips with the trailer / caravan before you set off on the actual trip.
- Have your vehicle correctly maintained and serviced.
- Have your trailer / caravan maintained and serviced, with particular attention given to condition of brakes, tyres, suspension, wheel bearings, towing coupling and lighting.
- Have an extended-arm mirror fitted on both sides of your vehicle.
- Headlights may need realigning after the loaded caravan has been hitched, particularly if a load equalising hitch is not used.
- Use a lower gear, rather than your brakes, when descending steep hills.
- If your trailer / caravan moves off the road behind you, allow the left wheels of your vehicle to move off as well. When it is safe to do so, carefully steer back on to the road. A sudden attempt to steer back could make you swerve dangerously.

Towing precautions

- When heavily loading your vehicle or when towing, inflate the tyres to the maximum recommended pressure. Refer to Chapter 7, Weekly checks.
- Secure loads so that they cannot slip and place them in the centre of the trailer / caravan if possible; that is, above the axle.
- Ensure the brakes on the trailer / caravan are designed to cope with the braking requirements of that trailer / caravan under all towing conditions. If they are not, they could adversely affect the brakes on the vehicle.
- Make sure that you have enough room when cornering and avoid sudden manoeuvres.
- Use a stabiliser to dampen rolling motions in the case of trailer / caravans with low directional stability.
- The cooling fan is driven electrically and so is not dependant on engine speed. At high engine speeds a lot of heat is produced and at low engine speeds correspondingly less heat is produced. For this reason, when driving uphill, do not shift down into a lower gear (which will increase engine speed) whenever the vehicle can still climb the hill in the higher gear.
- Whenever a towbar is removed, be certain to have any mounting holes in the underbody properly sealed to prevent the possible entry of exhaust fumes, dust and water.
- Ensure that the tow bar does not obscure the rear licence plate. If necessary, remove the towbar tongue when it is not required for towing.

Note: Holden towing equipment is recommended where it is available. Where it is not available, no recommendation is made as to the make of equipment which should be used. Holden will not accept liability for defects occurring in towing equipment not marketed by Holden or for defects in the vehicle arising from the use of such equipment or for loss or injury caused by use of such equipment. The use of such equipment may void your New Vehicle Warranty, to the extent that Holden considers the non-recommended equipment affects the specifications or quality of your Holden vehicle.

CHAPTER 11

Cleaning

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INTERIOR CLEANING

WARNING:

Many cleaners are toxic, flammable or can damage the interior of your vehicle. When cleaning the interior, avoid volatile cleaners such as acetone, lacquer thinners, enamel reducers, nail polish removers. Also avoid cleaners such as laundry soaps, bleaches or reducing agents. Never use carbon tetrachloride, gasoline or naphtha for any cleaning purpose.

Be sure the vehicle is well ventilated while using any cleaners and always follow the cleaner manufacturer's recommendations.

Care and cleaning of upholstery

Dust and dirt accumulates on upholstery and should be removed with a vacuum cleaner every few weeks; more often with constant driving. Before attempting to remove spots and stains, it is necessary to determine:

- The type of fabric.
- The nature and age of the stain.
- The effect of the stain removal agent upon the colour, structure and general appearance of the upholstery.

Remove stains as soon as possible. If they are allowed to remain on the fabric for any length of time, they very often become oxidised or set and removal becomes difficult, if not impossible.

Cleaning Vinyl (PVC) coated fabrics

PVC-coated fabrics are used for seating and auxiliary trimming. Fabric grades vary according to their function. PVC fabrics are generally made by coating fabric with synthetic resins. Taking care of PVC fabric is relatively simple, but important. Wipe over the surface with a dry cloth during the regular cleaning of the vehicle.

Should dirt accumulate and become embedded in the material pattern, do the following:

1. Using lukewarm water and soap (or Holden Velour Fabric and Vinyl Cleaner), work up thick suds on a piece of cheesecloth and apply to the surface. Use a soft bristle brush to remove stubborn stains or dirt embedded in the grain of the material.
2. Repeat using only a damp cloth (no soap).
3. Wipe dry with a soft cloth. The above cleaning instructions also apply to the rubber floor mats.

Cleaning leather trim (if fitted)

To remove surface dust and grit, regularly wipe the leather with a mild detergent diluted in warm water using a soft cloth or sponge.

Clean leather every three months with Holden Leather Cleaner or a mild saddle soap and a damp soft cloth to remove in-ground dirt which is not visible. Allow leather to dry naturally and apply Holden Leather Protector or a colourless beeswax dressing.

To revitalise the leather upholstery use Holden Leather Revitaliser.

INTERIOR CLEANING cont.

Cleaning cloth trim

To clean seats upholstered with cloth, observe the following instructions:

- Remove loose dirt and dust with a vacuum cleaner or soft brush.
- Do not use a whisk broom or a coarse hair brush.
- If normal soiling takes place, sponge the fabric lightly with warm water containing a detergent and a small amount of ammonia. Next, rub the fabric lightly and, if necessary, sponge again to remove stubborn stains. Soak up excess fluid with a dry cloth. Clean the fabric sparingly using Holden Velour Fabric and Vinyl Cleaner.

Vehicles with airbags

Use only a dry cloth or mild cleaner to clean the steering wheel and instrument panel. Do not use any aggressive cleaning agents.

Cleaning carpet

Thoroughly brush or vacuum the carpet. In many instances the carpet requires no further cleaning. If the carpet is extremely soiled, thoroughly vacuum it to remove loose dirt then, using Holden Velour Fabric and Vinyl Cleaner, clean approximately one square foot at a time.

After each area is cleaned, remove as much of the cleaner as possible with a vacuum cleaner.

Cleaning seat belts

Clean seat belts with a mild non-abrasive soap and lukewarm water. After washing, thoroughly sponge the soap out of the belts.

WARNING:

Do not bleach or dye seat belts as this can severely weaken them.

Cleaning interior glass

Clean the interior glass area of the vehicle with Holden Glass Cleaner and a clean soft cloth. Take care not to damage the demister when cleaning inside the rear window.

Never use abrasive cleaners on any vehicle glass, as they may cause scratches.

CARING FOR PAINT

To help preserve your vehicle's new finish, give special attention to treating those conditions that can damage the paint. Conditions include:

Road bloom: Oils, dirt, exhaust and other pollutants may combine to affect the paint finish if they are allowed to build up over a long period of time.

Etching: Tree sap, bird droppings, salt water and other natural deposits can leave etching or scarring if allowed to stay on the paint.

Pitting: Tar spots and some industrial fallout can react chemically and may cause pitting to the surface of the paint.

Paint inspection

Regularly inspect the vehicle for scratch marks, cracks or damaged areas, all of which could develop rust. Repair any deep scratches, cracks or breakdown in the finish immediately.

Take care to ensure any rust is repaired immediately otherwise rust 'creep' will extend beyond the damaged area. This occurs particularly in tropical or coastal areas, where the moist or salt-laden air accelerates rusting.

The paint finish of the vehicle gives a very high degree of protection against the weather, but be aware that wear and deterioration occurs when the vehicle is exposed to the elements for prolonged periods.

Park the vehicle in a garage whenever possible.

To prevent damage of the paint surface, remove foreign matter immediately. Foreign matter such as bird droppings should be removed within 24 hours due to the acidity.

Washing your vehicle

The easiest way to keep the paint looking as new is to keep it clean. A wash once a week will keep your vehicle in good condition. However, it must be washed correctly.

Note:

- Never use an automatic wash that requires anything touching the paint (other than water).
- Wash your vehicle once a week to remove build up of any grime on the paint.
- Never wash your vehicle in direct sunlight; find a shady spot to wash your vehicle.

1. Wet the vehicle thoroughly from top to bottom with plenty of cold water (in accordance with current water restrictions, if any). This removes any grit or other loose particles and substances. Do not use a sponge or cloth at this stage.
2. Fill a bucket with lukewarm water and add no more than two capsful of gentle detergent. Do not use hot water, strong soap or chemical detergents.
3. To remove bird droppings, soak the area with a wet sponge for several minutes before washing off. If this does not work, use a solution of one litre of water and 110 grams of dissolved baking soda (bicarbonate of soda). Rinse with clean water.
4. Starting with the roof, use a clean sponge to clean a small section at a time. Do not allow liquid to dry before rinsing it off with clean water. When you have completed each section, rinse the whole vehicle again with cold water.
5. Dry the clean vehicle thoroughly with a good quality chamois.

CARING FOR PAINT cont.

WARNING:

Take care when moving the vehicle after washing, in case water has affected the brakes. Applying the brakes lightly will indicate whether they have been affected. To dry them quickly, lightly apply the brakes while maintaining a slow forward speed with a clear area ahead, until brake performance returns to normal.

Removing stains, such as grease, oil and tar spots

Washing your vehicle regularly ensures most harmful substances deposited on the paint are removed before they can cause permanent damage. However, some substances are difficult to remove. If you notice stains on the paint, ensure you remove them at the earliest possible opportunity.

Remove grease, oil and even fresh tar from the paint with a little kerosene or turpentine. As a precaution against staining, wash and polish the area as soon as possible after the stain has been removed.

A rubbing or cutting compound can be used after a normal wash. Do not do this on a regular basis as it removes paint.

WARNING:

- **Some chemical cleaners used for removing road oils and tars from painted surfaces are detrimental to automotive paint.**
- **If petrol is spilt on the paint when refilling, flush it off immediately with clean water, as petrol has a tendency to stain or soften new paint finish during the weathering out period, particularly when the vehicle is exposed to high temperatures.**
- **Do not use petrol to clean any painted or plastic surfaces.**

Ventilation system intake

The intake area between the bonnet and windscreen may collect leaves, which impairs air flow into the vehicle. Clear this area of debris whenever you wash your vehicle.

Under vehicle washing

Your vehicle has a factory-applied PVC undercoating in the wheel arches (including longitudinal members) which provides permanent protection and needs no special maintenance.

The surfaces of the vehicle underside not covered by PVC are provided with a durable protective wax coating. Once a year, preferably before the start of the cold season the wax coating and PVC coating should be checked and if necessary, restored to perfect condition.

Commercial bitumen and rubber materials can damage PVC coating. Have all work on the underbody performed by a Holden Retailer, as it requires knowledge of the specified materials and experience concerning their application.

Wash the underbody following the end of the cold weather season to remove any dirt adhering to the underbody, since this may also contain salt.

ROOF, PAINT POLISHING, WHEELS AND TYRES

Polishing

Under normal circumstances the paint does not need polishing to retain its shine; a weekly wash is sufficient. However, the use of a Polymer Glaze approximately every three months reduces the effects of road bloom by removing natural contaminants that can build up on the paint.

Note: Do not attempt to apply a polish without first washing the vehicle to remove loose grit, surface dirt, dust and grease.

Tyres

Sponging with cold water is sufficient for normal tyre cleaning. Oil and grease should be removed with soap and water or detergent. For tar or other substances, use a mild abrasive, such as mechanic's hand soap or kitchen cleaning powder. Thoroughly rinse the tyres. Do not use petrol to clean tyres.

Original or 'new' tyre look can be restored using Holden Tyre and Bumper Shine.

Alloy wheels

To preserve the original appearance of alloy wheels, keep them clean and free from road dirt. Use Holden Wheel Cleaner for cleaning alloy wheels. Do not use abrasive cleaners on alloy wheels.

EXTERIOR GLASS CLEANING

Glass cleaning

Avoid scratching the glass. If the glass is cleaned at the same time as the rest of the vehicle, particles of grit may cause fine scratches. Flush off any mud on the glass when washing the body, but leave the final cleaning and polishing until afterwards.

Use Holden Glass Cleaner and wash each section of the glass in turn, making sure that the water, its container and the sponge are clean and free from grit. Old linen cloth is better than new material for polishing glass.

Windscreen

Always keep the windscreen clean so the wiper blades are as effective as possible. Old wiper blades can cause scratches and should be regularly inspected and replaced if necessary.

Never use abrasive cleaners to clean glass as they can cause scratches, impairing night vision. After the windscreen has been cleaned with a wet sponge, wipe it with a soft, lint-free cloth or chamois.

It is recommended that Holden Optikleen be added to the windscreen washer reservoir.

Wiper blades

Oil and road scum thrown up on the windscreen will cause smearing when the wipers are switched on. Many owners do not clean the wiper blades, despite cleaning the windscreen. Consequently, the smearing of the glass reappears as soon as the wiper blades are next used, as dirt accumulates in the blades.

Clean the blades by lifting them off the windscreen and cleaning with Holden Optikleen and a clean cloth.

Note: Do not operate the wiper blades by hand as this may damage the wiper drive mechanism.

If using the wiper blades to clean dust and dirt from the windscreen in dry conditions, always use the washer system first to wet the windscreen. Ensure that the windscreen washer reservoir is not empty.

Should the wiper blades freeze to the windscreen, lift them off by hand before switching on the wipers.

CLEANING PRODUCTS

PART NUMBER	SIZE	DESCRIPTION	USAGE
92145132	237 ml	Quick and Easy Speed Finish	Seals in a deep, lustrous glazed finish. Long life protection from oxidation, salt and weather damage.
92145418	437 ml	Quick and Easy Speed Finish	Seals in a deep, lustrous glazed finish. Long life protection from oxidation, salt and weather damage.
92145130	237 ml	All Purpose Cleaner	Cleans and deodorises velour, most vinyl upholstery, hood linings, mats and carpets, etc.
92145416	437 ml	All Purpose Cleaner	Cleans and deodorises velour, most vinyl upholstery, hood linings, mats and carpets, etc.
92145133	237 ml	Glass Cleaner	Cleans all glass surfaces.
92145419	437 ml	Glass Cleaner	Cleans all glass surfaces.
92140005	500 ml	Optikleen	Windscreen washer solvent.
92140004	5 ml	Optikleen Sachet	Windscreen washer solvent; 1 sachett per washer bottle refill.
92145129	237 ml	Hi Suds Car Wash	Cleans vehicle exterior.
92145415	437 ml	Hi Suds Car Wash	Cleans vehicle exterior.
92145131	237 ml	Vinyl and Trim Dressing	Seals and protects vinyl upholstery and plastic trim.
92145417	437 ml	Vinyl and Trim Dressing	Seals and protects vinyl upholstery and plastic trim.
92145140	120 ml	Leather Revitaliser	Revitalises the leather upholstery.
92145141	120 ml	Leather Cleaner	Cleans the leather upholstery.
92145142	120 ml	Leather Protector	Protects the leather upholstery.
92145143	1 Kit	Leather Care Kit	Contains leather revitaliser, cleaner and protector.
92145135		Chamois	Cloth for wiping off excess water from the vehicle's exterior after washing and rinsing.
92145134		Handle Grip Sponge	Sponge for washing the vehicle.
92145136		Microfibre Glass Cleaning Cloth	Cloth for cleaning all glass surfaces.
92145137		Microfibe General Purpose Cleaning / Polishing Cloth	Cloth for general purpose cleaning / polishing.

CHAPTER 12

Servicing

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DETERMINING SERVICE INTERVALS

Determining the proper service interval

The operating conditions of your vehicle determine the service interval as shown below. Use the odometer reading or the time interval, whichever occurs first, to determine when the service is due.

Under certain operating conditions, not only does your Holden require more regular servicing, it also requires additional servicing to ensure maximum safety, performance and longevity.

The additional service requirements typically include more frequent replacement of lubricating oils for example, engine transmission fluids and the more frequent inspection of steering, suspension and brake system components.

Also, brake fluid deteriorates with time and should normally be replaced every two years. However, heavy duty towing places a higher demand on the brake system. Therefore, brake fluid should be replaced more often if towing heavy loads.

Your Holden Dealer will be able to determine the appropriate service requirements for your vehicle according to your operating conditions.

If you drive less than 15 000 km in a 12 month period, some oils may require changing more frequently. Engine oil can deteriorate faster than normal if the engine is operated in significantly hot or cold conditions or if driving in unusual environments (for example, high dust levels).

7500 km or 6 months intervals (Intermediate service)

Use 7500 km or 6 months intervals if you regularly operate your vehicle under any or all of the following conditions:

- Operating on rough, dusty or loose surfaced roads.
- Towing a caravan, large trailer or boat.
- Repeated short trips less than 5 km in cold weather, or where the engine does not reach normal operating temperature.
- Extensive idling and / or low-speed driving for a long distance such as police cars, taxis or door-to-door calls.
- Extended high-speed driving under heavy load in high temperatures.

15 000 km or 12 month intervals (regular service)

If any of the above conditions are not relevant to driving patterns, you need only perform maintenance every 15 000 km or 12 months.

SERVICE INTERVALS

Distance / time based service intervals

The first inspection is due at 3000km or 3 months (whichever occurs first). The first service is due at 15 000 km or 12 months (whichever occurs first). Thereafter, at every 15 000 km or 12 months since the last service (whichever occurs first). Additional services are required under certain driving conditions, such as when towing. (Refer to page 2).

Service reminder message

A service reminder message is built into the trip computer. The reminder message first appears 1000 km before the service is due, giving you time to arrange for the service to be carried out. The message shows on the Trip computer for 10 seconds whenever the ignition is switched on or off, until the trip computer is reset. When the service is overdue, the message flashes for 10 seconds when the ignition is turned on or off.

It should be noted that the service reminder message applies only for "Regular" service intervals.

- **15 000 km Service** displays when the vehicle has travelled 14 000 km since it was built.

- **30 000 km Service** displays when the vehicle has travelled 29 000 km since it was built.

This message is triggered by a distance calculation.

The trip computer will be reset by your Holden Dealer when the vehicle is serviced.

Remember to consider additional service requirements based on time and driving conditions. Refer to page 2.

SERVICING

The free first inspection

The 3 000 km inspection is performed free of charge by the Selling Dealer. A different Holden Dealer may perform this inspection if provided with a Letter of Authority or similar.

The Selling Dealer may supply this authorisation upon request.

Service coupons

Service coupons are provided at the end of this booklet. When each service is performed, the appropriate coupon is removed. This reveals the next coupon to remind you when the next service is due.

After each service, check that the service has been validated with the Dealer's stamp and signature on the coupon stub. This is important as it not only assists in the determination of Warranty Claims, but enhances the value of the vehicle when selling.

Service coupons are provided for each service up to the 210 000 km service. After that time, the Maintenance Plan on pages 6 to 11 should be followed, commencing with the 15 000 km service.

If you are driving your vehicle outside of the normal driving operations you may need to conduct intermediate servicing. Service coupons for these intermediate services can be found between each of the major services.

Your Holden Dealer

When it comes to service, remember that your Holden Dealer has the trained personnel and specialised equipment to correctly service your vehicle. Your Dealer invites you to return for all your service needs both during and after the Warranty Period.

The safety, economy, emission control, performance and reliability of your vehicle cannot be assured unless regular maintenance is performed, preferably by factory-trained technicians at Holden Dealers.

Warranty and service

All maintenance services listed in this Handbook, and replacement of service items, are the responsibility of the owner and as such are NOT considered under the provisions of the New Vehicle Warranty to be rectification of defective material and workmanship. Items such as wheel alignment, necessary adjustments to drive belts, transmission, clutch and parking brake or any other items which may require servicing due to fair wear and tear are carried out at the owner’s cost.

Damage caused by failure to have proper maintenance services carried out by an authorised Holden Dealer or authorised Service Outlet, or in accordance with Holden's specifications, may void your New Vehicle Warranty. It is strongly recommended that you read the 'New Vehicle Warranty' in Chapter 9 of your Owner's Handbook so that you are aware of your Warranty exclusions.

Notes

MAINTENANCE SCHEDULE

x 1000 km or cumulative months **(whichever occurs first)**	3 3	15 +12	30 +12	45 +12	60 +12	75 +12	90 +12	105 +12
Under bonnet								
*Change engine oil and engine oil filter.	-	X	X	X	X	X	X	X
Check fluid levels: brake, power steering, clutch, auto transmission and washer. Check coolant % with tester and check level (pressure test if level is low).	X	X	X	X	X	X	X	X
*Automatic Transmission fluid change.	Not required under normal driving conditions							
*Replace Pollen Filter.	-	-	X	-	X	-	X	-
Check battery terminal security.	X	X	X	X	X	X	X	X
Check accessory drive belt length and condition.	-	-	X	X	X	X	X	X
Check for signs of deterioration and / or leaks from the engine, fluid reservoirs, air ducts, all hoses and clamps.	X	X	X	X	X	X	X	X
Drain and refill cooling system with recommended inhibitor and clean fresh water. Clean the outside of the radiator and A/C condenser.	Change required every 60 months (regardless of kms)							
*Replace air cleaner element.	-	-	-	-	X	-	-	-
Replace spark plugs.	-	-	-	-	X	-	-	-
Replace timing belt, tensioner, idler and roller. Inspect crank drive gear.	-	-	-	-	-	-	X	-
Replace remote control batteries.	-	-	X	-	X	-	X	-

Maintenance schedule continued next page.

*Items requiring additional servicing under some driving conditions. Refer to page 2.

MAINTENANCE SCHEDULE cont.

x 1000 km or cumulative months **(whichever occurs first)**	120 +12	135 +12	150 +12	165 +12	180 +12	195 +12	210 +12
Under bonnet							
*Change engine oil and engine oil filter.	X	X	X	X	X	X	X
Check fluid levels: brake, power steering, clutch, auto transmission and washer. Check coolant % with tester and check level (pressure test if level is low).	X	X	X	X	X	X	X
*Automatic Transmission fluid change.	Not required under normal driving conditions						
*Replace Pollen Filter.	X	-	X	-	X	-	X
Check battery terminal security.	X	X	X	X	X	X	X
Check accessory drive belt length and condition.	X	X	X	X	X	X	X
Check for signs of deterioration and / or leaks from the engine, fluid reservoirs, air ducts, all hoses and clamps.	X	X	X	X	X	X	X
Drain and refill cooling system with recommended inhibitor and clean fresh water. Clean the outside of the radiator and A/C condenser.	Change required every 60 months (regardless of kms)						
*Replace air cleaner element.	X	-	-	-	X	-	-
Replace spark plugs.	X	-	-	-	X	-	-
Replace timing belt, tensioner, idler and roller. Inspect crank drive gear.	-	-	-	-	X	-	-
Replace remote control batteries.	X	-	X	-	X	-	X

Maintenance schedule continued next page.

*Items requiring additional servicing under some driving conditions. Refer to page 2.

MAINTENANCE SCHEDULE cont.

x 1000 km or cumulative months **(whichever occurs first)**	3 3	15 +12	30 +12	45 +12	60 +12	75 +12	90 +12	105 +12
Under vehicle								
Check engine & transmission for leaks.	X	X	X	X	X	X	X	X
Inspect front and rear disc pads for wear and discs for surface condition.	-	X	X	X	X	X	X	X
Check and adjust park brake.	-	-	X	-	X	-	X	-
Check wheel nut torque, tyre wear and tyre pressures.	X	X	X	X	X	X	X	X
*Drain, refill and bleed brake system. brake performance during road test.	Check Change every 24 months (regardless of km)							
Drain, refill and bleed clutch system.	Change every 24 months (regardless of km)							
Check all brake and fuel lines and hoses for condition, attachment and routing.	X	X	X	X	X	X	X	X
*Inspect front and rear suspension and steering for damaged, loose or missing parts, wear or lack of lubrication. Inspect power steering lines and hoses for condition, attachment, routing and leaks.	X	X	X	X	X	X	X	X
Inspect exhaust and adjacent underbody for damaged, missing or misaligned parts, open seams, holes or loose connections. Run the vehicle and check for exhaust leaks.	X	X	X	X	X	X	X	X
Inspect all constant velocity joints for damage or torn boots and rubber couplings for tears or splits.	X	X	X	X	X	X	X	X

Maintenance schedule continued next page.

*Items requiring additional servicing under some driving conditions. Refer to page 2.

MAINTENANCE SCHEDULE cont.

x 1000 km or cumulative months **(whichever occurs first)**	120 +12	135 +12	150 +12	165 +12	180 +12	195 +12	210 +12
Under vehicle							
Check engine & transmission for leaks.	X	X	X	X	X	X	X
Inspect front and rear disc pads for wear and discs for surface condition.	X	X	X	X	X	X	X
Check and adjust park brake.	X	-	X	-	X	-	X
Check wheel nut torque, tyre wear and tyre pressures.	X	X	X	X	X	X	X
*Drain, refill and bleed brake system. brake performance during road test.	Check Change every 24 months (regardless of km)						
Drain, refill and bleed clutch system.	Change every 24 months (regardless of km)						
Check all brake and fuel lines and hoses for condition, attachment and routing.	X	X	X	X	X	X	X
*Inspect front and rear suspension and steering for damaged, loose or missing parts, wear or lack of lubrication. Inspect power steering lines and hoses for condition, attachment, routing and leaks.	X	X	X	X	X	X	X
Inspect exhaust and adjacent underbody for damaged, missing or misaligned parts, open seams, holes or loose connections. Run the vehicle and check for exhaust leaks.	X	X	X	X	X	X	X
Inspect all constant velocity joints for damage or torn boots and rubber couplings for tears or splits.	X	X	X	X	X	X	X

Maintenance schedule continued next page.

*Items requiring additional servicing under some driving conditions. Refer to page 2.

MAINTENANCE SCHEDULE cont.

x 1000 km or cumulative months **(whichever occurs first)**	3 3	15 +12	30 +12	45 +12	60 +12	75 +12	90 +12	105 +12
Vehicle interior								
*Check park brake operation.	X	X	X	X	X	X	X	X
Seat belt inspection. Check webbing condition, buckle operation and retractor mechanism operation.	X	X	X	X	X	X	X	X
Reset service reminder display.	-	X	X	X	X	X	X	X
Vehicle exterior								
Check operation of all exterior lights.	X	X	X	X	X	X	X	X
Lubricate bonnet catch, hinges and all lock cylinders.	X	X	X	X	X	X	X	X
Check transmitter range of remote control.	X	X	X	X	X	X	X	X
Road test								
Check braking, steering, engine response & transmission operation. Check operation of cruise control. Check park pawl operation. Check air conditioner performance. Check neutral start switch.	X	X	X	X	X	X	X	X

Maintenance schedule continued next page.

*Items requiring additional servicing under some driving conditions. Refer to page 2.

MAINTENANCE SCHEDULE cont.

x 1000 km or cumulative months **(whichever occurs first)**	120 +12	135 +12	150 +12	165 +12	180 +12	195 +12	210 +12
Vehicle interior							
*Check park brake operation.	X	X	X	X	X	X	X
Seat belt inspection. Check webbing condition, buckle operation and retractor mechanism operation.	X	X	X	X	X	X	X
Reset service reminder display.	X	X	X	X	X	X	X
Vehicle exterior							
Check operation of all exterior lights.	X	X	X	X	X	X	X
Lubricate bonnet catch, hinges and all lock cylinders.	X	X	X	X	X	X	X
Check transmitter range of remote control.	X	X	X	X	X	X	X
Road test							
Check braking, steering, engine response & transmission operation. Check operation of cruise control. Check park pawl operation. Check air conditioner performance. Check neutral start switch.	X	X	X	X	X	X	X

*Items requiring additional servicing under some driving conditions. Refer to page 2.

SERVICE CHARGES

Lubricants and materials

The owner is charged for all lubricants and materials used.

Brake fluid

Must be changed every 24 months (charge added for brake fluid and 0.4 hour labour).

Clutch fluid

Must be changed every 24 months (charge added for clutch fluid and 0.2 hour labour).

Engine coolant

Must be changed every 60 months (charge added for engine coolant, and 0.4 hour labour).

Fault repairs

The owner is charged for the repair or replacement of any part found faulty during a service check and not covered by Holden Warranty.

Where any deficiencies are noted, such items should be reported to the owner / operator and the extra work authorised.

Additives not recommended

The use of break-in oil, tune-up compounds, friction reducing compounds and other supplemental additives are not recommended; their use not only increases operating costs, but may indeed be harmful to your vehicle.

Free inspection Coupon: *3000 km or 3 months*

This coupon should not be removed until the vehicle is presented for service.

Owner's Name Mr
Mrs ....
Miss
Other ....

Address ....

Town ....

State .... Postcode ....

Registration .... Engine no ....

ISOVIN .... Model ....

Selling Dealer's Stamp and Signature ....

Date of Acquisition ....

This vehicle has been thoroughly checked in accordance with the schedule on the reverse side of this coupon.

Servicing Dealer's Stamp and Signature ....

Servicing Dealer ....

Town .... State ....

Owner's signature ....

This inspection is provided free of charge.

3000 km / 3 months

Free inspection validation

This vehicle has been thoroughly checked in accordance with the 3000 km / 3 month free inspection.

Dealer ....

Service Manager's signature ....

Date .... Odometer reading ....

Under bonnet

☐ Check fluid levels: brake, power steering, clutch, automatic transmission and washer. Check coolant inhibitor % with tester and check level (pressure test if level low).
☐ Check battery terminal security.
☐ Check for signs of deterioration and/or leaks from engine, fluid reservoirs, air ducts, all hoses and clamps

Under vehicle

☐ Check engine and transmission for leaks.
☐ Check wheel nut torque, tyre wear and tyre pressures.
☐ Check all brake and fuel pipes and hoses for condition, attachment and routing.
☐ Inspect front and rear suspension and steering system for damaged, loose or missing parts, signs of wear or lack of lubrication. Inspect power steering pipes and hoses for condition, attachment and routing and leaks.
☐ Inspect exhaust system and adjacent underbody. Look for damaged, missing or misaligned parts, open seams, holes or loose connections. Run vehicle and check for exhaust leaks.
☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.

Vehicle interior

☐ Check park brake operation.
☐ Seat belt inspection. Check webbing condition, buckle operation and retractor mechanism operation.
☐ Reset service reminder display.

Vehicle exterior

☐ Check operation of all exterior lights.
☐ Lubricate bonnet catch, door hinges and all lock cylinders.
☐ Check transmitter range of remote control.

Road Test

☐ Check for braking, steering, engine response and transmission operation.
☐ Check operation of cruise control.
☐ Check park pawl operation.
☐ Check air conditioner performance.
☐ Check neutral start switch.
☐ Check for, and complete, all relevant outstanding service campaigns and manufacturer recalls.

Service Coupon: 15 000 km or 12 months
from the last service (whichever occurs first)

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 1.2 hours labour
- engine oil and engine oil filter
- if brake fluid changed add 0.4 hour plus brake fluid
- if clutch fluid changed add 0.2 hour plus clutch fluid
- if engine coolant changed add 0.4 hour plus coolant

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under bonnet

☐ Change engine oil and engine oil filter.
☐ Check fluid levels: brake, power steering, clutch, automatic transmission and washer. Check coolant inhibitor % with tester and check level (pressure test if level low).
☐ Check battery terminal security.
☐ Check for signs of deterioration and/or leaks from engine, fluid reservoirs, air ducts, all hoses and clamps.

☐ Brake Fluid Change every 2 years (regardless of km)
☐ Clutch Fluid Change every 2 years (regardless of km)
☐ Coolant Change every 5 years (regardless of km)

Service items continue next page.

Service Validation
15 000 kms or
12 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 15 000 km / 12 month service.
Servicing Dealer .... Additional services performed:
Date of Service .... Odometer ....
....
Signed ....

Under vehicle

- ☐ Check engine and transmission for leaks.
- ☐ Inspect front and rear disc pads for wear. Disc surface condition.
- ☐ Check wheel nut torque, tyre wear and tyre pressures.
- ☐ Check all brake and fuel pipes and hoses for condition, attachment and routing.
- ☐ Inspect front and rear suspension and steering system for damaged, loose or missing parts, signs of wear or lack of lubrication. Inspect power steering pipes and hoses for condition, attachment and routing and leaks.
- ☐ Inspect exhaust system and adjacent underbody. Look for damaged, missing or misaligned parts, open seams, holes or loose connections. Run vehicle and check for exhaust leaks.
- ☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.

Vehicle interior

- ☐ Check park brake operation.
- ☐ Seat belt inspection. Check webbing condition, buckle operation and retractor mechanism operation.
- ☐ Reset service reminder display.

Vehicle exterior

- ☐ Check operation of all exterior lights.
- ☐ Lubricate bonnet catch, door hinges and all lock cylinders.
- ☐ Check transmitter range of remote control.

Road Test

- ☐ Check for braking, steering, engine response and transmission operation.
- ☐ Check operation of cruise control.
- ☐ Check park pawl operation.
- ☐ Check air conditioner performance.
- ☐ Check neutral start switch.
- ☐ Check for, and complete, all relevant outstanding service campaigns and manufacturer recalls.

***Service Coupon:* 22 500 km or 6 months**

*from the last major service (whichever occurs first) Only required for vehicles that are operated in extreme conditions.**

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 0.4 hours labour

There will also be a charge for additional services as requested:
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....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under vehicle

☐ Inspect front and rear disc pads for wear.
☐ Check all brake hoses and pipes for condition, attachment and routing.
☐ Inspect steering system for damaged, loose or missing parts, signs of wear or lack of lubrication.
☐ Inspect ball joints and dust covers.
☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.
☐ Inspect light operation.

☐ Brake Fluid Change every 2 years (regardless of km)
☐ Clutch Fluid Change every 2 years (regardless of km)
☐ Coolant Change every 5 years (regardless of km)

Service Validation
22 500 kms or 6 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 22 500 km / 6 month service.
Servicing Dealer .... Additional services performed:
Brake fluid changed: YES / NO Coolant changed: YES / NO ....
Clutch fluid changed YES / NO / N/A (Not Applicable) ....
Date of Service .... Odometer ....
Signed ....

Service Validation
30 000 kms or
12 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 30 000 km / 12 month service.

Servicing Dealer ....

Additional services performed:

Date of Service .... Odometer ....

Signed ....

Service Coupon: 30 000 km or 12 months
from the last service (whichever occurs first)

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 1.4 hours labour
- engine oil and engine oil filter
- pollen filter
- if brake fluid changed add 0.4 hour plus brake fluid
- if clutch fluid changed add 0.2 hour plus clutch fluid
- if engine coolant changed add 0.4 hour plus coolant

There will also be a charge for additional services as requested:
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....
....

Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under bonnet

☐ Change engine oil and engine oil filter.
☐ Check fluid levels: brake, power steering, clutch, automatic transmission and washer. Check coolant inhibitor % with tester and check level (pressure test if level low).
☐ Replace pollen filter.
☐ Check battery terminal security.
☐ Check accessory drive belt length and condition.
☐ Check for signs of deterioration and/or leaks from engine, fluid reservoirs, air ducts, all hoses and clamps.
☐ Replace remote control batteries.

☐ Brake Fluid Change every 2 years (regardless of km)
☐ Clutch Fluid Change every 2 years (regardless of km)
☐ Coolant Change every 5 years (regardless of km)

Service items continue next page.

Under vehicle

- ☐ Check engine and transmission for leaks.
- ☐ Inspect front and rear disc pads for wear. Disc surface condition.
- ☐ Check and adjust park brake.
- ☐ Check wheel nut torque, tyre wear and tyre pressures.
- ☐ Check all brake and fuel pipes and hoses for condition, attachment and routing.
- ☐ Inspect front and rear suspension and steering system for damaged, loose or missing parts, signs of wear or lack of lubrication. Inspect power steering pipes and hoses for condition, attachment and routing and leaks.
- ☐ Inspect exhaust system and adjacent underbody. Look for damaged, missing or misaligned parts, open seams, holes or loose connections. Run vehicle and check for exhaust leaks.
- ☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.

Vehicle interior

- ☐ Check park brake operation.
- ☐ Seat belt inspection. Check webbing condition, buckle operation and retractor mechanism operation.
- ☐ Reset service reminder display.

Vehicle exterior

- ☐ Check operation of all exterior lights.
- ☐ Lubricate bonnet catch, door hinges and all lock cylinders.
- ☐ Check transmitter range of remote control.

Road Test

- ☐ Check for braking, steering, engine response and transmission operation.
- ☐ Check operation of cruise control.
- ☐ Check park pawl operation.
- ☐ Check air conditioner performance.
- ☐ Check neutral start switch.
- ☐ Check for, and complete, all relevant outstanding service campaigns and manufacturer recalls.

***Service Coupon*: 37 500 km or 6 months**

*from the last major service (whichever occurs first) Only required for vehicles that are operated in extreme conditions.**

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 0.4 hours labour

There will also be a charge for additional services as requested:
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....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under vehicle

- ☐ Inspect front and rear disc pads for wear.
- ☐ Check all brake hoses and pipes for condition, attachment and routing.
- ☐ Inspect steering system for damaged, loose or missing parts, signs of wear or lack of lubrication.
- ☐ Inspect ball joints and dust covers.
- ☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.
- ☐ Inspect light operation.

- ☐ Brake Fluid Change every 2 years (regardless of km)
- ☐ Clutch Fluid Change every 2 years (regardless of km)
- ☐ Coolant Change every 5 years (regardless of km)

*For applicable operating conditions, refer to page 2.

Service Validation
37 500 kms or 6 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 37 500 km / 6 month service.
Servicing Dealer .... Additional services performed:
Brake fluid changed: YES / NO Coolant changed: YES / NO ....
Clutch fluid change YES / NO / N/A (Not Applicable) ....
Date of Service .... Odometer ....
Signed ....

Service Coupon: 45 000 km or 12 months *from the last service (whichever occurs first)*

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 1.3 hours labour
- engine oil and engine oil filter
- if brake fluid changed add 0.4 hour plus brake fluid
- if clutch fluid changed add 0.2 hour plus clutch fluid
- if engine coolant changed add 0.4 hour plus coolant

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under bonnet

- ☐ Change engine oil and engine oil filter.
- ☐ Check fluid levels: brake, power steering, clutch, automatic transmission and washer. Check coolant inhibitor % with tester and check level (pressure test if level low).
- ☐ Check battery terminal security.
- ☐ Check accessory drive belt length and condition.
- ☐ Check for signs of deterioration and/or leaks from engine, fluid reservoirs, air ducts, all hoses and clamps.

- ☐ Brake Fluid Change every 2 years (regardless of km)
- ☐ Clutch Fluid Change every 2 years (regardless of km)
- ☐ Coolant Change every 5 years (regardless of km)

Service items continue next page.

Service Validation
45 000 kms or 12 months since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 45 000 km / 12 month service.
Servicing Dealer .... Additional services performed:
Brake fluid changed: YES / NO   Coolant changed: YES / NO ....
Clutch fluid changed YES / NO / N/A (Not Applicable) ....
Date of Service .... Odometer ....
Signed ....

Under vehicle

- ☐ Check engine and transmission for leaks.
- ☐ Inspect front and rear disc pads for wear. Disc surface condition.
- ☐ Check wheel nut torque, tyre wear and tyre pressures.
- ☐ Check all brake and fuel pipes and hoses for condition, attachment and routing.
- ☐ Inspect front and rear suspension and steering system for damaged, loose or missing parts, signs of wear or lack of lubrication. Inspect power steering pipes and hoses for condition, attachment and routing and leaks.
- ☐ Inspect exhaust system and adjacent underbody. Look for damaged, missing or misaligned parts, open seams, holes or loose connections. Run vehicle and check for exhaust leaks.
- ☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.

Vehicle interior

- ☐ Check park brake operation.
- ☐ Seat belt inspection. Check webbing condition, buckle operation and retractor mechanism operation.
- ☐ Reset service reminder display.

Vehicle exterior

- ☐ Check operation of all exterior lights.
- ☐ Lubricate bonnet catch, door hinges and all lock cylinders.
- ☐ Check transmitter range of remote control.

Road Test

- ☐ Check for braking, steering, engine response and transmission operation.
- ☐ Check operation of cruise control.
- ☐ Check park pawl operation.
- ☐ Check air conditioner performance.
- ☐ Check neutral start switch.
- ☐ Check for, and complete, all relevant outstanding service campaigns and manufacturer recalls.

***Service Coupon*: 52 500 km or 6 months**

*from the last major service (whichever occurs first) Only required for vehicles that are operated in extreme conditions.**

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 0.4 hours labour

There will also be a charge for additional services as requested:
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....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under vehicle

☐ Inspect front and rear disc pads for wear.
☐ Check all brake hoses and pipes for condition, attachment and routing.
☐ Inspect steering system for damaged, loose or missing parts, signs of wear or lack of lubrication.
☐ Inspect ball joints and dust covers.
☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.
☐ Inspect light operation.

☐ Brake Fluid Change every 2 years (regardless of km)
☐ Clutch Fluid Change every 2 years (regardless of km)
☐ Coolant Change every 5 years (regardless of km)

Service Validation
52 500 kms or 6 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 52 500 km / 6 month service.
Servicing Dealer .... Additional services performed:
Brake fluid changed: YES / NO Coolant changed: YES / NO ....
Clutch fluid changed YES / NO / N/A (Not Applicable) ....
Date of Service .... Odometer ....
Signed ....

*For applicable operating conditions, refer to page 2.

Service Validation
60 000 kms or 12 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 60 000 km / 12 month service.
Servicing Dealer .... Additional services performed:
Brake fluid changed: YES / NO Coolant changed: YES / NO ....
Clutch fluid changed YES / NO / N/A (Not Applicable) ....
Date of Service .... Odometer ....
Signed ....

Service Coupon: 60 000 km or 12 months from the last service (whichever occurs first)

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 1.8 hours labour
- engine oil and engine oil filter
- pollen filter
- spark plugs
- if brake fluid changed add 0.4 hour plus brake fluid
- if clutch fluid changed add 0.2 hour plus clutch fluid
- if engine coolant changed add 0.4 hour plus coolant

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under bonnet

- ☐ Change engine oil and engine oil filter.
- ☐ Check fluid levels: brake, power steering, clutch, automatic transmission and washer. Check coolant inhibitor % with tester and check level (pressure test if level low).
- ☐ Replace pollen filter.
- ☐ Check battery terminal security.
- ☐ Check accessory drive belt length and condition.
- ☐ Check for signs of deterioration and/or leaks from engine, fluid reservoirs, air ducts, all hoses and clamps.
- ☐ Replace air cleaner paper element.
- ☐ Replace spark plugs.
- ☐ Replace remote control batteries.

- ☐ Brake Fluid Change every 2 years (regardless of km)
- ☐ Clutch Fluid Change every 2 years (regardless of km)
- ☐ Coolant Change every 5 years (regardless of km)

Service items continue next page.

Under vehicle

☐ Check engine and transmission for leaks.
☐ Inspect front and rear disc pads for wear. Disc surface condition.
☐ Check and adjust park brake.
☐ Check wheel nut torque, tyre wear and tyre pressures.
☐ Check all brake and fuel pipes and hoses for condition, attachment and routing.
☐ Inspect front and rear suspension and steering system for damaged, loose or missing parts, signs of wear or lack of lubrication. Inspect power steering pipes and hoses for condition, attachment and routing and leaks.
☐ Inspect exhaust system and adjacent underbody. Look for damaged, missing or misaligned parts, open seams, holes or loose connections. Run vehicle and check for exhaust leaks.
☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.

Vehicle interior

☐ Check park brake operation.
☐ Seat belt inspection. Check webbing condition, buckle operation and retractor mechanism operation.
☐ Reset service reminder display.

Vehicle exterior

☐ Check operation of all exterior lights.
☐ Lubricate bonnet catch, door hinges and all lock cylinders.
☐ Check transmitter range of remote control.

Road Test

☐ Check for braking, steering, engine response and transmission operation.
☐ Check operation of cruise control.
☐ Check park pawl operation.
☐ Check air conditioner performance.
☐ Check neutral start switch.
☐ Check for, and complete, all relevant outstanding service campaigns and manufacturer recalls.

Service Validation
67 500 kms or 6 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 67 500 km / 6 month service.

Servicing Dealer ....

Additional services performed:

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....

....

Brake fluid changed: YES / NO   Coolant changed: YES / NO

Clutch fluid changed YES / NO / N/A (Not Applicable)

Date of Service .... Odometer ....

Signed ....

*Service Coupon: 67 500 km or 6 months from the last major service (whichever occurs first) Only required for vehicles that are operated in extreme conditions.**

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 0.4 hours labour

There will also be a charge for additional services as requested:

....

....

....

Signature ....   Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under vehicle

- ☐ Inspect front and rear disc pads for wear.
- ☐ Check all brake hoses and pipes for condition, attachment and routing.
- ☐ Inspect steering system for damaged, loose or missing parts, signs of wear or lack of lubrication.
- ☐ Inspect ball joints and dust covers.
- ☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.
- ☐ Inspect light operation.

- ☐ Brake Fluid Change every 2 years (regardless of km)
- ☐ Clutch Fluid Change every 2 years (regardless of km)
- ☐ Coolant Change every 5 years (regardless of km)

*For applicable operating conditions, refer to page 2.

***Service Coupon**: 75 000 km or 12 months* *from the last service (whichever occurs first)*

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 1.3 hours labour
- engine oil and engine oil filter
- if brake fluid changed add 0.4 hour plus brake fluid
- if clutch fluid changed add 0.2 hour plus clutch fluid
- if engine coolant changed add 0.4 hour plus coolant

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under bonnet

☐ Change engine oil and engine oil filter.
☐ Check fluid levels: brake, power steering, clutch, automatic transmission and washer. Check coolant inhibitor % with tester and check level (pressure test if level low).
☐ Check battery terminal security.
☐ Check accessory drive belt length and condition.
☐ Check for signs of deterioration and/or leaks from engine, fluid reservoirs, air ducts, all hoses and clamps.

☐ Brake Fluid Change every 2 years (regardless of km).
☐ Clutch Fluid Change every 2 years (regardless of km).
☐ Coolant Change every 5 years (regardless of km).

Service items continue next page.

Service Validation
75 000 kms or
12 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 75 000 km / 12 month service.
Servicing Dealer ....
Brake fluid changed: YES / NO Coolant changed: YES / NO
Clutch fluid changed YES / NO / N/A (Not Applicable)
Date of Service .... Odometer ....
Signed ....

Additional services performed:
....
....
....

Under vehicle

- ☐ Check engine and transmission for leaks.
- ☐ Inspect front and rear disc pads for wear. Disc surface condition.
- ☐ Check wheel nut torque, tyre wear and tyre pressures.
- ☐ Check all brake and fuel pipes and hoses for condition, attachment and routing.
- ☐ Inspect front and rear suspension and steering system for damaged, loose or missing parts, signs of wear or lack of lubrication. Inspect power steering pipes and hoses for condition, attachment and routing and leaks.
- ☐ Inspect exhaust system and adjacent underbody. Look for damaged, missing or misaligned parts, open seams, holes or loose connections. Run vehicle and check for exhaust leaks.
- ☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.

Vehicle interior

- ☐ Check park brake operation.
- ☐ Seat belt inspection. Check webbing condition, buckle operation and retractor mechanism operation.
- ☐ Reset service reminder display.

Vehicle exterior

- ☐ Check operation of all exterior lights.
- ☐ Lubricate bonnet catch, door hinges and all lock cylinders.
- ☐ Check transmitter range of remote control.

Road Test

- ☐ Check for braking, steering, engine response and transmission operation.
- ☐ Check operation of cruise control.
- ☐ Check park pawl operation.
- ☐ Check air conditioner performance.
- ☐ Check neutral start switch.
- ☐ Check for, and complete, all relevant outstanding service campaigns and manufacturer recalls.

*__Service Coupon__: **82 500 km or 6 months*** *from the last major service (whichever occurs first) Only required for vehicles that are operated in extreme conditions.**

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 0.4 hours labour

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under vehicle

☐ Inspect front and rear disc pads for wear.
☐ Check all brake hoses and pipes for condition, attachment and routing.
☐ Inspect steering system for damaged, loose or missing parts, signs of wear or lack of lubrication.
☐ Inspect ball joints and dust covers.
☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.
☐ Inspect light operation.

☐ Brake Fluid Change every 2 years (regardless of km)
☐ Clutch Fluid Change every 2 years (regardless of km)
☐ Coolant Change every 5 years (regardless of km)

*For applicable operating conditions, refer to page 2.

Service Validation
82 500 kms or 6 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 82 500 km / 6 month service.
Servicing Dealer .... Additional services performed:
Brake fluid changed: YES / NO Coolant changed: YES / NO ....
Clutch fluid changed YES / NO / N/A (Not Applicable) ....
Date of Service .... Odometer ....
Signed ....

***Service Coupon*: 90 000 km or 12 months**
from the last service (whichever occurs first)

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 3.2 hours labour
- engine oil and engine oil filter
- pollen filter
- timing belt, tensioner, idler and roller
- if brake fluid changed add 0.4 hour plus brake fluid
- if clutch fluid changed add 0.2 hour plus clutch fluid
- if engine coolant changed add 0.4 hour plus coolant

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under bonnet

☐ Change engine oil and engine oil filter.
☐ Check fluid levels: brake, power steering, clutch, automatic transmission and washer. Check coolant inhibitor % with tester and check level (pressure test if level low).
☐ Replace pollen filter.
☐ Check battery terminal security.
☐ Check accessory drive belt length and condition.
☐ Replace timing belt, tensioner, idler and roller. Inspect crank gear.
☐ Check for signs of deterioration and/or leaks from engine, fluid reservoirs, air ducts, all hoses and clamps.
☐ Replace remote control batteries.

☐ Brake Fluid Change every 2 years (regardless of km).
☐ Clutch Fluid Change every 2 years (regardless of km).
☐ Coolant Change every 5 years (regardless of km).

Service items continue next page.

Service Validation
90 000 kms or
12 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 90 000 km / 12 month service.
Servicing Dealer .... Additional services performed:
Brake fluid changed: YES / NO Coolant changed: YES / NO ....
Clutch fluid changed YES / NO / N/A (Not Applicable) ....
Date of Service .... Odometer ....
Signed ....

Under vehicle

☐ Check engine and transmission for leaks.
☐ Inspect front and rear disc pads for wear. Disc surface condition.
☐ Check and adjust park brake.
☐ Check wheel nut torque, tyre wear and tyre pressures.
☐ Check all brake and fuel pipes and hoses for condition, attachment and routing.
☐ Inspect front and rear suspension and steering system for damaged, loose or missing parts, signs of wear or lack of lubrication. Inspect power steering pipes and hoses for condition, attachment and routing and leaks.
☐ Inspect exhaust system and adjacent underbody. Look for damaged, missing or misaligned parts, open seams, holes or loose connections. Run vehicle and check for exhaust leaks.
☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.

Vehicle interior

☐ Check park brake operation.
☐ Seat belt inspection. Check webbing condition, buckle operation and retractor mechanism operation.
☐ Reset service reminder display.

Vehicle exterior

☐ Check operation of all exterior lights.
☐ Lubricate bonnet catch, door hinges and all lock cylinders.
☐ Check transmitter range of remote control.

Road Test

☐ Check for braking, steering, engine response and transmission operation.
☐ Check operation of cruise control.
☐ Check park pawl operation.
☐ Check air conditioner performance.
☐ Check neutral start switch.
☐ Check for, and complete, all relevant outstanding service campaigns and manufacturer recalls.

***Service Coupon:* 97 500 km or 6 months**

*from the last major service (whichever occurs first) Only required for vehicles that are operated in extreme conditions.**

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 0.4 hours labour

There will also be a charge for additional services as requested:

....

....

....

Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under vehicle

☐ Inspect front and rear disc pads for wear.
☐ Check all brake hoses and pipes for condition, attachment and routing.
☐ Inspect steering system for damaged, loose or missing parts, signs of wear or lack of lubrication.
☐ Inspect ball joints and dust covers.
☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.
☐ Inspect light operation.

☐ Brake Fluid Change every 2 years (regardless of km)
☐ Clutch Fluid Change every 2 years (regardless of km)
☐ Coolant Change every 5 years (regardless of km)

*For applicable operating conditions, refer to page 2.

Service Validation
97 500 kms or 6 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 97 500 km / 6 month service.
Servicing Dealer ....
Brake fluid changed: YES / NO Coolant changed: YES / NO
Clutch fluid changed YES / NO / N/A (Not Applicable)
Date of Service .... Odometer ....
Signed ....

Additional services performed:
....
....
....

Service Validation

105 000 kms or 12 months

since last service

(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 105 000 km / 12 month service.

Servicing Dealer .... Additional services performed:

Brake fluid changed: YES / NO Coolant changed: YES / NO ....

Clutch fluid changed YES / NO / N/A (Not Applicable) ....

Date of Service .... Odometer ....

Signed ....

Service Coupon: 105 000 km or 12 months
from the last service (whichever occurs first)

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 1.3 hours labour
- engine oil and engine oil filter
- if brake fluid changed add 0.4 hour plus brake fluid
- if clutch fluid changed add 0.2 hour plus clutch fluid
- if engine coolant changed add 0.4 hour plus coolant

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under bonnet

☐ Change engine oil and engine oil filter.
☐ Check fluid levels: brake, power steering, clutch, automatic transmission and washer. Check coolant inhibitor % with tester and check level (pressure test if level low).
☐ Check battery terminal security.
☐ Check accessory drive belt length and condition.
☐ Check for signs of deterioration and/or leaks from engine, fluid reservoirs, air ducts, all hoses, and clamps.

☐ Brake Fluid Change every 2 years (regardless of km)
☐ Clutch Fluid Change every 2 years (regardless of km)
☐ Coolant Change every 5 years (regardless of km)

Service items continue next page.

Under vehicle

- ☐ Check engine and transmission for leaks.
- ☐ Inspect front and rear disc pads for wear. Disc surface condition.
- ☐ Check wheel nut torque, tyre wear and tyre pressures.
- ☐ Check all brake and fuel pipes and hoses for condition, attachment and routing.
- ☐ Inspect front and rear suspension and steering system for damaged, loose or missing parts, signs of wear or lack of lubrication. Inspect power steering pipes and hoses for condition, attachment and routing and leaks.
- ☐ Inspect exhaust system and adjacent underbody. Look for damaged, missing or misaligned parts, open seams, holes or loose connections. Run vehicle and check for exhaust leaks.
- ☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.

Vehicle interior

- ☐ Check park brake operation.
- ☐ Seat belt inspection. Check webbing condition, buckle operation and retractor mechanism operation.
- ☐ Reset service reminder display.

Vehicle exterior

- ☐ Check operation of all exterior lights.
- ☐ Lubricate bonnet catch, door hinges and all lock cylinders.
- ☐ Check transmitter range of remote control.

Road Test

- ☐ Check for braking, steering, engine response and transmission operation.
- ☐ Check operation of cruise control.
- ☐ Check park pawl operation.
- ☐ Check air conditioner performance.
- ☐ Check neutral start switch.
- ☐ Check for, and complete, all relevant outstanding service campaigns and manufacturer recalls.

***Service Coupon*: 112 500 km or 6 months**

*from the last major service (whichever occurs first) Only required for vehicles that are operated in extreme conditions.**

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 0.4 hours labour

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under vehicle

☐ Inspect front and rear disc pads for wear.
☐ Check all brake hoses and pipes for condition, attachment and routing.
☐ Inspect steering system for damaged, loose or missing parts, signs of wear or lack of lubrication.
☐ Inspect ball joints and dust covers.
☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.
☐ Inspect light operation.

☐ Brake Fluid Change every 2 years (regardless of km)
☐ Clutch Fluid Change every 2 years (regardless of km)
☐ Coolant Change every 5 years (regardless of km)

*For applicable operating conditions, refer to page 2.

Service Validation
112 500 kms or
6 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 112 500 km / 6 month service.
Servicing Dealer .... Additional services performed:
Brake fluid changed: YES / NO Coolant changed: YES / NO ....
Clutch fluid changed YES / NO / N/A (Not Applicable) ....
Date of Service .... Odometer ....
Signed ....

Service Coupon: *120 000 km or 12 months*
from the last service (whichever occurs first)

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 1.8 hours labour
- engine oil and engine oil filter
- pollen filter.
- spark plugs
- if brake fluid changed add 0.4 hour plus brake fluid
- if clutch fluid changed add 0.2 hour plus clutch fluid
- if engine coolant changed add 0.4 hour plus coolant

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under bonnet

- ☐ Change engine oil and engine oil filter.
- ☐ Check fluid levels: brake, power steering, clutch, automatic transmission and washer. Check coolant inhibitor % with tester and check level (pressure test if level low).
- ☐ Replace pollen filter
- ☐ Check battery terminal security.
- ☐ Check accessory drive belt length and condition.
- ☐ Check for signs of deterioration and/or leaks from engine, fluid reservoirs, air ducts, all hoses and clamps.
- ☐ Replace air cleaner paper element.
- ☐ Replace spark plugs.
- ☐ Replace remote control batteries.

- ☐ Brake Fluid Change every 2 years (regardless of km)
- ☐ Clutch Fluid Change every 2 years (regardless of km)
- ☐ Coolant Change every 5 years (regardless of km)

Service items continue next page.

Service Validation
120 000 kms or
12 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 120 000 km / 12 month service.
Servicing Dealer .... Additional services performed:
Brake fluid changed: YES / NO Coolant changed: YES / NO ....
Clutch fluid changed YES / NO / N/A (Not Applicable) ....
Date of Service .... Odometer ....
Signed ....

Under vehicle

☐ Check engine and transmission for leaks.
☐ Inspect front and rear disc pads for wear. Disc surface condition.
☐ Check and adjust park brake.
☐ Check wheel nut torque, tyre wear and tyre pressures.
☐ Check all brake and fuel pipes and hoses for condition, attachment and routing.
☐ Inspect front and rear suspension and steering system for damaged, loose or missing parts, signs of wear or lack of lubrication. Inspect power steering pipes and hoses for condition, attachment and routing and leaks.
☐ Inspect exhaust system and adjacent underbody. Look for damaged, missing or misaligned parts, open seams, holes or loose connections. Run vehicle and check for exhaust leaks.
☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.

Vehicle interior

☐ Check park brake operation.
☐ Seat belt inspection. Check webbing condition, buckle operation and retractor mechanism operation.
☐ Reset service reminder display.

Vehicle exterior

☐ Check operation of all exterior lights.
☐ Lubricate bonnet catch, door hinges and all lock cylinders.
☐ Check transmitter range of remote control.

Road Test

☐ Check for braking, steering, engine response and transmission operation.
☐ Check operation of cruise control.
☐ Check park pawl operation.
☐ Check air conditioner performance.
☐ Check neutral start switch.
☐ Check for, and complete, all relevant outstanding service campaigns and manufacturer recalls.

***Service Coupon**: 127 500 km or 6 months*

*from the last major service (whichever occurs first) Only required for vehicles that are operated in extreme conditions.**

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 0.4 hours labour

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under vehicle

☐ Inspect front and rear disc pads for wear.
☐ Check all brake hoses and pipes for condition, attachment and routing.
☐ Inspect steering system for damaged, loose or missing parts, signs of wear or lack of lubrication.
☐ Inspect ball joints and dust covers.
☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.
☐ Inspect light operation.

☐ Brake Fluid Change every 2 years (regardless of km)
☐ Clutch Fluid Change every 2 years (regardless of km)
☐ Coolant Change every 5 years (regardless of km)

*For applicable operating conditions, refer to page 2.

Service Validation
127 500 kms or
6 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 127 500 km / 6 month service.
Servicing Dealer .... Additional services performed:
Brake fluid changed: YES / NO Coolant changed: YES / NO ....
Clutch fluid changed YES / NO / N/A (Not Applicable) ....
Date of Service .... Odometer ....
Signed ....

Service Coupon: *135 000 km or 12 months* *from the last service (whichever occurs first)*

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 1.3 hours labour
- engine oil and engine oil filter
- if brake fluid changed add 0.4 hour plus brake fluid
- if clutch fluid changed add 0.2 hour plus clutch fluid
- if engine coolant changed add 0.4 hour plus coolant

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under bonnet

☐ Change engine oil and engine oil filter.

☐ Check fluid levels: brake, power steering, clutch, automatic transmission and washer. Check coolant inhibitor % with tester and check level (pressure test if level low).

☐ Check battery terminal security.

☐ Check accessory drive belt length and condition.

☐ Check for signs of deterioration and/or leaks from engine, fluid reservoirs, air ducts, all hoses and clamps.

☐ Brake Fluid Change every 2 years (regardless of km)

☐ Clutch Fluid Change every 2 years (regardless of km)

☐ Coolant Change every 5 years (regardless of km)

Service items continue next page.

Service Validation
135 000 kms or
12 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 135 000 km / 12 month service.

Servicing Dealer ....

Brake fluid changed: YES / NO Coolant changed: YES / NO

Clutch fluid changed YES / NO / N/A (Not Applicable)

Date of Service .... Odometer ....

Signed ....

Additional services performed:
....
....
....

Under vehicle

- ☐ Check engine and transmission for leaks.
- ☐ Inspect front and rear disc pads for wear. Disc surface condition.
- ☐ Check wheel nut torque, tyre wear and tyre pressures.
- ☐ Check all brake and fuel pipes and hoses for condition, attachment and routing.
- ☐ Inspect front and rear suspension and steering system for damaged, loose or missing parts, signs of wear or lack of lubrication. Inspect power steering pipes and hoses for condition, attachment and routing and leaks.
- ☐ Inspect exhaust system and adjacent underbody. Look for damaged, missing or misaligned parts, open seams, holes or loose connections. Run vehicle and check for exhaust leaks.
- ☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.

Vehicle interior

- ☐ Check park brake operation.
- ☐ Seat belt inspection. Check webbing condition, buckle operation and retractor mechanism operation.
- ☐ Reset service reminder display.

Vehicle exterior

- ☐ Check operation of all exterior lights.
- ☐ Lubricate bonnet catch, door hinges and all lock cylinders.
- ☐ Check transmitter range of remote control.

Road Test

- ☐ Check for braking, steering, engine response and transmission operation.
- ☐ Check operation of cruise control.
- ☐ Check park pawl operation.
- ☐ Check air conditioner performance.
- ☐ Check neutral start switch.
- ☐ Check for, and complete, all relevant outstanding service campaigns and manufacturer recalls.

***Service Coupon**: 142 500 km or 6 months*

from the last major service (whichever occurs first)
*Only required for vehicles that are operated in extreme conditions.**

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 0.4 hours labour

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under vehicle

- ☐ Inspect front and rear disc pads for wear.
- ☐ Check all brake hoses and pipes for condition, attachment and routing.
- ☐ Inspect steering system for damaged, loose or missing parts, signs of wear or lack of lubrication.
- ☐ Inspect ball joints and dust covers.
- ☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.
- ☐ Inspect light operation.

- ☐ Brake Fluid Change every 2 years (regardless of km)
- ☐ Clutch Fluid Change every 2 years (regardless of km)
- ☐ Coolant Change every 5 years (regardless of km)

*For applicable operating conditions, refer to page 2.

Service Validation
142 500 kms or
6 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 142 500 km / 6 month service.
Servicing Dealer ....
Brake fluid changed: YES / NO Coolant changed: YES / NO
Clutch fluid changed YES / NO / N/A (Not Applicable)
Date of Service .... Odometer ....
Signed ....

Additional services performed:
....
....
....

***Service Coupon*: 150 000 km or 12 months**
from the last service (whichever occurs first)

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 1.4 hours labour
- engine oil and engine oil filter
- pollen filter.
- if brake fluid changed add 0.4 hour plus brake fluid
- if clutch fluid changed add 0.2 hour plus clutch fluid
- if engine coolant changed add 0.4 hour plus coolant

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under bonnet

- ☐ Change engine oil and engine oil filter.
- ☐ Check fluid levels: brake, power steering, clutch, automatic transmission and washer. Check coolant inhibitor % with tester and check level (pressure test if level low).
- ☐ Replace pollen filter.
- ☐ Check battery terminal security.
- ☐ Check accessory drive belt length and condition.
- ☐ Check for signs of deterioration and/or leaks from engine, fluid reservoirs, air ducts, all hoses and clamps.
- ☐ Replace remote control batteries.

- ☐ Brake Fluid Change every 2 years (regardless of km)
- ☐ Clutch Fluid Change every 2 years (regardless of km)
- ☐ Coolant Change every 5 years (regardless of km)

Service items continue next page.

Service Validation
150 000 kms or
12 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 150 000 km / 12 month service.
Servicing Dealer .... Additional services performed:
Brake fluid changed: YES / NO Coolant changed: YES / NO ....
Clutch fluid changed YES / NO / N/A (Not Applicable) ....
Date of Service .... Odometer ....
Signed ....

Under vehicle

- ☐ Check engine and transmission for leaks.
- ☐ Inspect front and rear disc pads for wear. Disc surface condition.
- ☐ Check and adjust park brake.
- ☐ Check wheel nut torque, tyre wear and tyre pressures.
- ☐ Check all brake and fuel pipes and hoses for condition, attachment and routing.
- ☐ Inspect front and rear suspension and steering system for damaged, loose or missing parts, signs of wear or lack of lubrication. Inspect power steering pipes and hoses for condition, attachment and routing and leaks.
- ☐ Inspect exhaust system and adjacent underbody. Look for damaged, missing or misaligned parts, open seams, holes or loose connections. Run vehicle and check for exhaust leaks.
- ☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.

Vehicle interior

- ☐ Check park brake operation.
- ☐ Seat belt inspection. Check webbing condition, buckle operation and retractor mechanism operation.
- ☐ Reset service reminder display.

Vehicle exterior

- ☐ Check operation of all exterior lights.
- ☐ Lubricate bonnet catch, door hinges and all lock cylinders.
- ☐ Check transmitter range of remote control.

Road Test

- ☐ Check for braking, steering, engine response and transmission operation.
- ☐ Check operation of cruise control.
- ☐ Check park pawl operation.
- ☐ Check air conditioner performance.
- ☐ Check neutral start switch.
- ☐ Check for, and complete, all relevant outstanding service campaigns and manufacturer recalls.

***Service Coupon*: 157 500 km or 6 months**

*from the last major service (whichever occurs first) Only required for vehicles that are operated in extreme conditions.**

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 0.4 hours labour

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under vehicle

- ☐ Inspect front and rear disc pads for wear.
- ☐ Check all brake hoses and pipes for condition, attachment and routing.
- ☐ Inspect steering system for damaged, loose or missing parts, signs of wear or lack of lubrication.
- ☐ Inspect ball joints and dust covers.
- ☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.
- ☐ Inspect light operation.

- ☐ Brake Fluid Change every 2 years (regardless of km)
- ☐ Clutch Fluid Change every 2 years (regardless of km)
- ☐ Coolant Change every 5 years (regardless of km)

*For applicable operating conditions, refer to page 2.

Service Validation
157 500 kms or
6 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 157 500 km / 6 month service.
Servicing Dealer .... Additional services performed:
Brake fluid changed: YES / NO Coolant changed: YES / NO ....
Clutch fluid changed YES / NO / N/A (Not Applicable) ....
Date of Service .... Odometer ....
Signed ....

Service Validation
165 000 kms or
12 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 165 000 km / 12 month service.
Servicing Dealer .... Additional services performed:
Brake fluid changed: YES / NO Coolant changed: YES / NO ....
Clutch fluid changed YES / NO / N/A (Not Applicable) ....
Date of Service .... Odometer ....
Signed ....

Service Coupon: 165 000 km or 12 months from the last service (whichever occurs first)

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 1.3 hours labour
- engine oil and engine oil filter
- if brake fluid changed add 0.4 hour plus brake fluid
- if clutch fluid changed add 0.2 hour plus clutch fluid
- if engine coolant changed add 0.4 hour plus coolant

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under bonnet

☐ Change engine oil and engine oil filter.
☐ Check fluid levels: brake, power steering, clutch, automatic transmission and washer. Check coolant inhibitor % with tester and check level (pressure test if level low).
☐ Check battery terminal security.
☐ Check accessory drive belt length and condition.
☐ Check for signs of deterioration and/or leaks from engine, fluid reservoirs, air ducts, all hoses, and clamps.

☐ Brake Fluid Change every 2 years (regardless of km)
☐ Clutch Fluid Change every 2 years (regardless of km)
☐ Coolant Change every 5 years (regardless of km)

Service items continue next page.

Under vehicle

- ☐ Check engine and transmission for leaks.
- ☐ Inspect front and rear disc pads for wear. Disc surface condition.
- ☐ Check wheel nut torque, tyre wear and tyre pressures.
- ☐ Check all brake and fuel pipes and hoses for condition, attachment and routing.
- ☐ Inspect front and rear suspension and steering system for damaged, loose or missing parts, signs of wear or lack of lubrication. Inspect power steering pipes and hoses for condition, attachment and routing and leaks.
- ☐ Inspect exhaust system and adjacent underbody. Look for damaged, missing or misaligned parts, open seams, holes or loose connections. Run vehicle and check for exhaust leaks.
- ☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.

Vehicle interior

- ☐ Check park brake operation.
- ☐ Seat belt inspection. Check webbing condition, buckle operation and retractor mechanism operation.
- ☐ Reset service reminder display.

Vehicle exterior

- ☐ Check operation of all exterior lights.
- ☐ Lubricate bonnet catch, door hinges and all lock cylinders.
- ☐ Check transmitter range of remote control.

Road Test

- ☐ Check for braking, steering, engine response and transmission operation.
- ☐ Check operation of cruise control.
- ☐ Check park pawl operation.
- ☐ Check air conditioner performance.
- ☐ Check neutral start switch.
- ☐ Check for, and complete, all relevant outstanding service campaigns and manufacturer recalls.

Service Coupon: 172 500 km or 6 months *from the last major service (whichever occurs first) Only required for vehicles that are operated in extreme conditions.**

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 0.4 hours labour

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under vehicle

- ☐ Inspect front and rear disc pads for wear.
- ☐ Check all brake hoses and pipes for condition, attachment and routing.
- ☐ Inspect steering system for damaged, loose or missing parts, signs of wear or lack of lubrication.
- ☐ Inspect ball joints and dust covers.
- ☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.
- ☐ Inspect light operation.

- ☐ Brake Fluid Change every 2 years (regardless of km)
- ☐ Clutch Fluid Change every 2 years (regardless of km)
- ☐ Coolant Change every 5 years (regardless of km)

*For applicable operating conditions, refer to page 2.

Service Validation
172 500 kms or
6 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 172 500 km / 6 month service.
Servicing Dealer ....
Brake fluid changed: YES / NO Coolant changed: YES / NO
Clutch fluid changed YES / NO / N/A (Not Applicable)
Date of Service .... Odometer ....
Signed ....

Additional services performed:
....
....
....

***Service Coupon**: 180 000 km or 12 months*
from the last service (whichever occurs first)

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 3.6 hours labour
- engine oil and engine oil filter
- pollen filter
- spark plugs
- timing belt, tensioner, idler and roller
- if brake fluid changed add 0.4 hour plus brake fluid
- if clutch fluid changed add 0.2 hour plus clutch fluid
- if engine coolant changed add 0.4 hour plus coolant

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under bonnet

☐ Change engine oil and engine oil filter.
☐ Check fluid levels: brake, power steering, clutch, automatic transmission and washer. Check coolant inhibitor % with tester and check level (pressure test if level low).
☐ Replace pollen filter
☐ Check battery terminal security.
☐ Check accessory drive belt length and condition.
☐ Check for signs of deterioration and/or leaks from engine, fluid reservoirs, air ducts, all hoses and clamps.
☐ Replace air cleaner paper element.
☐ Replace spark plugs.
☐ Replace timing belt, tensioner, idler and roller. Inspect crank gear.
☐ Replace remote control batteries.

☐ Brake Fluid Change every 2 years (regardless of km)
☐ Clutch Fluid Change every 2 years (regardless of km)
☐ Coolant Change every 5 years (regardless of km)

Service items continue next page.

Service Validation
180 000 kms or
12 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 180 000 km / 12 month service.
Servicing Dealer .... Additional services performed:
Brake fluid changed: YES / NO Coolant changed: YES / NO ....
Clutch fluid changed YES / NO / N/A (Not Applicable) ....
Date of Service .... Odometer ....
Signed ....

Under vehicle

- ☐ Check engine and transmission for leaks.
- ☐ Inspect front and rear disc pads for wear. Disc surface condition.
- ☐ Check and adjust park brake.
- ☐ Check wheel nut torque, tyre wear and tyre pressures.
- ☐ Check all brake and fuel pipes and hoses for condition, attachment and routing.
- ☐ Inspect front and rear suspension and steering system for damaged, loose or missing parts, signs of wear or lack of lubrication. Inspect power steering pipes and hoses for condition, attachment and routing and leaks.
- ☐ Inspect exhaust system and adjacent underbody. Look for damaged, missing or misaligned parts, open seams, holes or loose connections. Run vehicle and check for exhaust leaks.
- ☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.

Vehicle interior

- ☐ Check park brake operation.
- ☐ Seat belt inspection. Check webbing condition, buckle operation and retractor mechanism operation.
- ☐ Reset service reminder display.

Vehicle exterior

- ☐ Check operation of all exterior lights.
- ☐ Lubricate bonnet catch, door hinges and all lock cylinders.
- ☐ Check transmitter range of remote control.

Road Test

- ☐ Check for braking, steering, engine response and transmission operation.
- ☐ Check operation of cruise control.
- ☐ Check park pawl operation.
- ☐ Check air conditioner performance.
- ☐ Check neutral start switch.
- ☐ Check for, and complete, all relevant outstanding service campaigns and manufacturer recalls.

***Service Coupon**: 187 500 km or 6 months*

*from the last major service (whichever occurs first) Only required for vehicles that are operated in extreme conditions.**

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 0.4 hours labour

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under vehicle

☐ Inspect front and rear disc pads for wear.
☐ Check all brake hoses and pipes for condition, attachment and routing.
☐ Inspect steering system for damaged, loose or missing parts, signs of wear or lack of lubrication.
☐ Inspect ball joints and dust covers.
☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.
☐ Inspect light operation.

☐ Brake Fluid Change every 2 years (regardless of km)
☐ Clutch Fluid Change every 2 years (regardless of km)
☐ Coolant Change every 5 years (regardless of km)

*For applicable operating conditions, refer to page 2.

Service Validation
187 500 kms or
6 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 187 500 km / 6 month service.
Servicing Dealer .... Additional services performed:
Brake fluid changed: YES / NO Coolant changed: YES / NO ....
Clutch fluid changed YES / NO / N/A (Not Applicable) ....
Date of Service .... Odometer ....
Signed ....

Service Coupon: 195 000 km or 12 months from the last service (whichever occurs first)

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 1.3 hours labour
- engine oil and engine oil filter
- if brake fluid changed add 0.4 hour plus brake fluid
- if clutch fluid changed add 0.2 hour plus clutch fluid
- if engine coolant changed add 0.4 hour plus coolant

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under bonnet

☐ Change engine oil and engine oil filter.
☐ Check fluid levels: brake, power steering, clutch, automatic transmission and washer. Check coolant inhibitor % with tester and check level (pressure test if level low).
☐ Check battery terminal security.
☐ Check accessory drive belt length and condition.
☐ Check for signs of deterioration and/or leaks from engine, fluid reservoirs, air ducts, all hoses, and clamps.

☐ Brake Fluid Change every 2 years (regardless of km)
☐ Clutch Fluid Change every 2 years (regardless of km)
☐ Coolant Change every 5 years (regardless of km)

Service items continue next page.

Service Validation
190 000 kms or
12 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 190 000 km / 12 month service.
Servicing Dealer .... Additional services performed:
Brake fluid changed: YES / NO Coolant changed: YES / NO ....
Clutch fluid changed YES / NO / N/A (Not Applicable) ....
Date of Service .... Odometer ....
Signed ....

Under vehicle

☐ Check engine and transmission for leaks.
☐ Inspect front and rear disc pads for wear. Disc surface condition.
☐ Check wheel nut torque, tyre wear and tyre pressures.
☐ Check all brake and fuel pipes and hoses for condition, attachment and routing.
☐ Inspect front and rear suspension and steering system for damaged, loose or missing parts, signs of wear or lack of lubrication. Inspect power steering pipes and hoses for condition, attachment and routing and leaks.
☐ Inspect exhaust system and adjacent underbody. Look for damaged, missing or misaligned parts, open seams, holes or loose connections. Run vehicle and check for exhaust leaks.
☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.

Vehicle interior

☐ Check park brake operation.
☐ Seat belt inspection. Check webbing condition, buckle operation and retractor mechanism operation.
☐ Reset service reminder display.

Vehicle exterior

☐ Check operation of all exterior lights.
☐ Lubricate bonnet catch, door hinges and all lock cylinders.
☐ Check transmitter range of remote control.

Road Test

☐ Check for braking, steering, engine response and transmission operation.
☐ Check operation of cruise control.
☐ Check park pawl operation.
☐ Check air conditioner performance.
☐ Check neutral start switch.
☐ Check for, and complete, all relevant outstanding service campaigns and manufacturer recalls.

Service Coupon: 202 500 km or 6 months
*from the last major service (whichever occurs first) Only required for vehicles that are operated in extreme conditions.**

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 0.4 hours labour

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under vehicle

- ☐ Inspect front and rear disc pads for wear.
- ☐ Check all brake hoses and pipes for condition, attachment and routing.
- ☐ Inspect steering system for damaged, loose or missing parts, signs of wear or lack of lubrication.
- ☐ Inspect ball joints and dust covers.
- ☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.
- ☐ Inspect light operation.

- ☐ Brake Fluid Change every 2 years (regardless of km)
- ☐ Clutch Fluid Change every 2 years (regardless of km)
- ☐ Coolant Change every 5 years (regardless of km)

Service Validation
202 500 kms or
6 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 202 500 km / 6 month service.
Servicing Dealer .... Additional services performed:
Brake fluid changed: YES / NO Coolant changed: YES / NO ....
Clutch fluid changed YES / NO / N/A (Not Applicable) ....
Date of Service .... Odometer ....
Signed ....

***Service Coupon:* 210 000 km or 12 months**
from the last service (whichever occurs first)

I authorise performance of the services specified on this coupon. I understand that I will be charged for the time, parts and lubricants as listed:

- 1.4 hours labour
- engine oil and engine oil filter
- pollen filter
- if brake fluid changed add 0.4 hour plus brake fluid
- if clutch fluid changed add 0.2 hour plus clutch fluid
- if engine coolant changed add 0.4 hour plus coolant

There will also be a charge for additional services as requested:
....
....
....
Signature .... Date ....

Note: If the owner of this vehicle has changed since the last service, refer to the change form in the introduction of your Owner's Handbook.

Under bonnet

☐ Change engine oil and engine oil filter.
☐ Check fluid levels: brake, power steering, clutch, automatic transmission and washer. Check coolant inhibitor % with tester and check level (pressure test if level low).
☐ Replace pollen filter.
☐ Check battery terminal security.
☐ Check accessory drive belt length and condition.
☐ Check for signs of deterioration and/or leaks from engine, fluid reservoirs, air ducts, all hoses and clamps.
☐ Replace remote control batteries.

☐ Brake Fluid Change every 2 years (regardless of km)
☐ Clutch Fluid Change every 2 years (regardless of km)
☐ Coolant Change every 5 years (regardless of km)

Service items continue next page.

Service Validation
210 000 kms or 12 months
since last service
(whichever occurs first)

This vehicle has been thoroughly checked in accordance with the 210 000 km / 12 month service.
Servicing Dealer .... Additional services performed:
Brake fluid changed: YES / NO Coolant changed: YES / NO ....
Clutch fluid changed YES / NO / N/A (Not Applicable) ....
Date of Service .... Odometer ....
Signed ....

Under vehicle

☐ Check engine and transmission for leaks.
☐ Inspect front and rear disc pads for wear. Disc surface condition.
☐ Check and adjust park brake.
☐ Check wheel nut torque, tyre wear and tyre pressures.
☐ Check all brake and fuel pipes and hoses for condition, attachment and routing.
☐ Inspect front and rear suspension and steering system for damaged, loose or missing parts, signs of wear or lack of lubrication. Inspect power steering pipes and hoses for condition, attachment and routing and leaks.
☐ Inspect exhaust system and adjacent underbody. Look for damaged, missing or misaligned parts, open seams, holes or loose connections. Run vehicle and check for exhaust leaks.
☐ Inspect all constant velocity joints for damaged or torn boots and rubber couplings for tears and splits.

Vehicle interior

☐ Check park brake operation.
☐ Seat belt inspection. Check webbing condition, buckle operation and retractor mechanism operation.
☐ Reset service reminder display.

Vehicle exterior

☐ Check operation of all exterior lights.
☐ Lubricate bonnet catch, door hinges and all lock cylinders.
☐ Check transmitter range of remote control.

Road Test

☐ Check for braking, steering, engine response and transmission operation.
☐ Check operation of cruise control.
☐ Check park pawl operation.
☐ Check air conditioner performance.
☐ Check neutral start switch.
☐ Check for, and complete, all relevant outstanding service campaigns and manufacturer recalls.

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